

PC-8200N User Manual

(PN-820, Pantech)



Document history

| Version | Date | Modifier | Memo |
|---------|------|----------|---------------|
| | | | First release |

| | |
|--|---------------|
| QUICK REFERENCE GUIDE | 16 |
| 1. LEARNING THE BASICS | 23 |
| Change between uppercase, lowercase, and caps lock | 23 |
| Change the Multipress time out | 23 |
| Delete characters | 23 |
| Enter a space..... | 23 |
| Enter a symbol | 23 |
| Enter numbers in text boxes | 23 |
| Enter punctuation in Multipress mode..... | 24 |
| Enter punctuation in T9 mode..... | 24 |
| Enter text in T9 mode..... | 24 |
| Using the Quick List..... | 24 |
| Open a program..... | 25 |
| Start a new line | 25 |
| Turn on Caps Lock | 25 |
| Unlock the keypad | 25 |
| Enter the plus sign for international calls | 26 |
| Entering text and numbers | 27 |
| Change the input mode | 27 |
| Explore files and folders | 28 |
| 2. ACTIVESYNC | 28 |

| | |
|---|-----------|
| Change ActiveSync settings | 28 |
| Change settings for an information type | 28 |
| Set up an Exchange Server connection | 29 |
| Connect the phone | 29 |
| Install and set up ActiveSync | 30 |
| Schedule synchronization as items arrive..... | 30 |
| Change the synchronization schedule | 31 |
| Start and stop synchronization | 31 |
| View information about sync status | 32 |
| Connect to a PC using infrared | 32 |
| Connect to a PC using Bluetooth..... | 32 |
| Change e-mail security options | 33 |
| Exclude an e-mail address from Reply All | 33 |
| ActiveSync support code troubleshooter | 33 |
| 3. CONNECTIONS..... | 46 |
| Accept a Bluetooth partnership..... | 46 |
| Connect to intranet URLs..... | 46 |
| Use a specific connection to connect to the Internet..... | 46 |
| Create a Bluetooth partnership..... | 47 |
| Create a dial-up connection | 47 |
| Create a proxy connection | 48 |
| Create a VPN connection | 48 |

| | |
|--|-----------|
| End a Bluetooth partnership | 49 |
| Delete a dial-up connection..... | 49 |
| Delete a proxy connection | 49 |
| Delete an intranet URL | 49 |
| Delete a VPN connection..... | 50 |
| Edit a dial-up connection | 50 |
| Edit a proxy connection | 50 |
| Change an intranet URL..... | 50 |
| Edit a VPN connection | 51 |
| Make your device discoverable | 51 |
| Rename a Bluetooth partnership | 51 |
| Turn Bluetooth on and off..... | 52 |
| Receive beamed information | 52 |
| Receive incoming beams | 52 |
| Beam an item | 53 |
| Overview of Bluetooth virtual COM ports..... | 53 |
| Set up an incoming Bluetooth COM port..... | 54 |
| Set up an outgoing Bluetooth COM port..... | 54 |
| Set up a Bluetooth-enabled headset | 55 |
| Set up a stereo headset | 55 |
| Turn wireless power on or off..... | 56 |
| 4. PHONE..... | 56 |

| | |
|---|----|
| Access voice mail from Messaging | 56 |
| Answer or postpone a second call..... | 57 |
| Answer or ignore a first call | 57 |
| Call your voice mailbox..... | 57 |
| Change the default number for a contact..... | 57 |
| Create a contact card for a caller | 57 |
| Create a contact from Call History | 57 |
| Create a speed dial..... | 58 |
| Create a voice tag..... | 58 |
| Delete an item from Call History | 58 |
| Delete a speed dial | 59 |
| Delete a voice tag | 59 |
| Dial the last number called | 59 |
| Find a contact from Call History | 59 |
| Insert an international country code | 59 |
| Insert a manual pause in a dialing sequence..... | 59 |
| Insert a three-second pause in a dialing sequence | 60 |
| Make an emergency call..... | 60 |
| Make a call by entering a contact name | 60 |
| Make a call by entering a phone number | 60 |
| Make a call from an open contact | 60 |
| Make a call from a hyperlink phone number..... | 61 |

| | |
|---|-----------|
| Make a call from Call History | 61 |
| Make a call from the contact list | 61 |
| Make a call using a recently dialed phone number | 61 |
| Reset Call Timers | 61 |
| Send an e-mail message from Call History..... | 61 |
| Switch between phone lines | 62 |
| Silence the ring tone of an incoming call | 62 |
| Use a speed dial..... | 62 |
| Use a voice tag..... | 62 |
| View and edit a speed dial..... | 62 |
| View Call History | 63 |
| View Call Timers | 63 |
| View details about a call..... | 63 |
| Answer a call by pressing any key..... | 63 |
| Add a network | 63 |
| Block incoming or outgoing calls | 63 |
| Configure caller ID..... | 63 |
| Configure channels..... | 64 |
| Turn voice privacy on or off | 64 |
| Select TTY Mode | 64 |
| Turn ERI Alert..... | 64 |
| Turn ERI Banner..... | 64 |

| | |
|---|-----------|
| Select Default Band | 64 |
| Select NAM Selection | 64 |
| Display your phone number | 64 |
| Display your ESN | 65 |
| Display your S/W Version | 65 |
| Display your H/W Version | 65 |
| Display your PRL Version..... | 65 |
| Display your ERI Version | 65 |
| Change Location On/E911 Only | 65 |
| 5. SETTINGS | 65 |
| Copy an image to your phone..... | 65 |
| Copy a sound to your phone | 66 |
| Change or turn sounds on or off | 66 |
| Change the current profile..... | 66 |
| Change the Home screen appearance | 66 |
| Change accessibility settings..... | 67 |
| Change power management settings..... | 67 |
| Change regional settings | 67 |
| Delete a certificate | 68 |
| Delete a sound | 68 |
| Disable the phone lock | 68 |
| Edit a profile | 68 |

| | |
|--|-----------|
| Enable the phone lock | 69 |
| Enter or change your country and area codes | 69 |
| Remove a program | 69 |
| Set the date and time | 69 |
| Specify the idle time before the Home screen appears | 70 |
| Specify the sound for an event | 70 |
| Unlock your phone | 70 |
| View a certificate | 70 |
| View operating system information | 70 |
| View settings list | 70 |
| View the list of profiles | 71 |
| Enter owner information | 71 |
| Quickly lock your phone | 71 |
| Overview of error reporting | 71 |
| Turn on and off error reporting | 72 |
| 6. CALENDAR | 72 |
| Schedule an appointment..... | 72 |
| Delete an appointment | 72 |
| Update an appointment..... | 73 |
| View an appointment..... | 73 |
| View appointments for the week | 73 |
| View today's agenda | 73 |

| | |
|---|-----------|
| View your agenda for a specific date..... | 74 |
| View your schedule for the month..... | 74 |
| Make an appointment recurring..... | 74 |
| Show week numbers..... | 74 |
| Change the display of the work week | 74 |
| Change the reminder time | 75 |
| 7. CONTACTS..... | 75 |
| Beam a contact..... | 75 |
| Call a contact from contact information | 75 |
| Call a contact from the contact list | 75 |
| Create a new contact | 76 |
| Delete a contact..... | 76 |
| Filter the contact list..... | 76 |
| Find a contact..... | 76 |
| Send an e-mail to a contact..... | 76 |
| Send a text message to a contact..... | 77 |
| View and edit a contact information..... | 77 |
| Add a picture to a contact..... | 77 |
| Assign a category to a contact | 77 |
| Assign a ring tone to a contact..... | 78 |
| Remove a picture from a contact | 78 |
| Find a contact online | 78 |

| | |
|---|-----------|
| 7. INTERNET EXPLORER MOBILE | 79 |
| Add a Web page to the Favorites list | 79 |
| Change connection options | 79 |
| Change Web page display options..... | 79 |
| Clear history, cookies, or temporary files..... | 80 |
| Create a new folder in Favorites | 80 |
| Delete a favorite | 80 |
| Disconnect from the Internet..... | 80 |
| Edit a favorite | 80 |
| Go to a link..... | 81 |
| Go to a Web page..... | 81 |
| Go to a Web page in the History list | 81 |
| Open Internet Explorer | 81 |
| Refresh a Web page | 81 |
| Return to a Web page you visited in the same session..... | 81 |
| View a favorite | 81 |
| View a list of recently-visited Web pages..... | 81 |
| Move a favorite to a folder..... | 82 |
| Change the size of text on Web pages | 82 |
| Show or hide pictures on Web pages..... | 82 |
| View a page in full screen mode | 82 |
| Send a link via e-mail | 82 |

| | |
|---|-----------|
| Adjust the scrolling speed | 83 |
| 8. MESSAGING | 83 |
| Be notified when a text message is delivered..... | 83 |
| Change messaging account options..... | 83 |
| Change how the message list displays..... | 83 |
| Create a message from a contact card | 84 |
| Create a text message | 84 |
| Create an e-mail message..... | 84 |
| Create and add a signature to messages | 85 |
| Delete a message | 85 |
| Delete all text messages | 85 |
| Delete an account..... | 86 |
| Download a complete e-mail message | 86 |
| Download an attachment | 86 |
| Edit predefined text..... | 86 |
| Empty the Deleted Items folder..... | 87 |
| Forward a message | 87 |
| Add a voice recording to an e-mail message..... | 87 |
| Insert predefined text into a message..... | 87 |
| Mark a folder for synchronization | 87 |
| Mark a message as Read or Unread | 88 |
| Move a message to a different folder | 88 |

| | |
|---|-----------|
| Open a message..... | 88 |
| Quickly move between accounts..... | 88 |
| Send a message draft..... | 89 |
| Reply to a message..... | 89 |
| Respond to a meeting request..... | 89 |
| Save a draft of a message | 89 |
| Send and receive Internet e-mail messages | 90 |
| Set up an Internet e-mail account automatically | 90 |
| Set up an Internet e-mail account manually | 90 |
| Specify the language for reading a message | 91 |
| Stop adding a signature to messages | 92 |
| View an attachment | 92 |
| View message folder contents | 92 |
| View the Inbox message list | 92 |
| View the list of accounts..... | 92 |
| What is SSL?..... | 93 |
| Add a picture to an e-mail message..... | 93 |
| Overview of e-mail security | 93 |
| Encrypt a message | 94 |
| Digitally sign a message..... | 94 |
| Verify the digital signature on a signed message you receive..... | 95 |
| 9. MODEM..... | 95 |

| | |
|---|------------|
| Activate the modem link | 95 |
| Deactivate the modem link | 95 |
| Set up a serial port modem connection..... | 95 |
| Set up an infrared or USB modem connection..... | 96 |
| 10. PICTURES | 96 |
| Create a Pictures folder | 96 |
| Edit a picture | 96 |
| View pictures as a slide show | 96 |
| Set a picture as the Home screen..... | 97 |
| Send a picture | 97 |
| Save a copy of a picture..... | 97 |
| View pictures on your phone | 97 |
| Overview of Pictures And Videos | 98 |
| Select video quality | 98 |
| Take pictures using a timer..... | 98 |
| Take pictures using burst mode..... | 98 |
| Pause or resume video recording | 99 |
| Adjust pictures and video for lighting conditions | 99 |
| Select where pictures are saved | 99 |
| 11. TASKS..... | 100 |
| Change a completed task to incomplete..... | 100 |
| Create a task | 100 |

| | |
|-------------------------------------|------------|
| Delete a task | 100 |
| Mark a task as complete | 100 |
| Locate a task | 100 |
| 12. CALCULATOR..... | 101 |
| Use the calculator | 101 |
| 13. SOLITAIRE | 101 |
| Move cards | 101 |
| Play Solitaire | 101 |
| Start a game of Solitaire..... | 102 |
| Start a new game..... | 102 |
| 14. BUBBLE BREAKER..... | 102 |
| Overview of Bubble Breaker | 102 |
| Start Bubble Breaker | 102 |
| Set Bubble Breaker options | 102 |
| View Bubble Breaker statistics..... | 103 |
| 15. VOICE NOTES..... | 103 |
| Create a voice note..... | 103 |
| Delete a voice note | 104 |
| Rename a voice note | 104 |
| Listen to a voice note..... | 104 |
| 16. MMS..... | 104 |

| | |
|---|------------|
| Getting started with MMS client..... | 104 |
| Use MMS Client..... | 104 |
| Start MMS client | 104 |
| Create MMS Message | 105 |
| MMS Composer | 105 |
| To..... | 105 |
| Text box..... | 105 |
| Menu..... | 105 |
| Menu > Cancel Composer | 107 |
| MMS Viewer | 107 |
| Make new MMS message..... | 108 |
| How can make new MMS message..... | 108 |
| Step by step instruction | 109 |
| 17. CAMCORDER..... | 111 |
| Overview of PN8200 Camcorder Application..... | 111 |
| Record a video | 111 |
| Overview of Record video..... | 111 |
| Recording Video..... | 111 |
| Playing recorded file | 111 |
| Take a picture | 112 |
| Overview of Task a picture..... | 112 |
| Snapshot | 112 |
| Viewing saved file | 112 |
| Control of Camcorder | 112 |
| Control of video..... | 112 |
| Control of picture | 112 |
| Overview of the default hardware button assignments..... | 114 |
| By default, these hardware buttons are assigned to Camcorder functions..... | 114 |

Pantech PN-820 Quick Reference Guide (QRG)

GETTING STARTED

Key Components of Your New Phone



Installing the Battery

1. Place the battery on the back of the handset and slide into place.
2. Push the battery down until it locks into place.

Removing the Battery

1. Pull down the release latch, lift up the battery and remove the battery from the handset.

Charging the Battery

Method 1:

- ① Plug the Home Charger into a standard outlet.
- ② Plug the other end of the Home Charger into the bottom of your phone.

Method 2:

- ① Plug the Chargeable Sync USB Cable into a standard USB connector of your computer.
- ② Plug the other end of the Chargeable Sync USB Cable into the bottom of your phone.

The battery must be installed onto the phone.

Note:

- When you charge the battery with the phone power off, you will see a charging status screen. You cannot operate the phone until it is powered on.
- The battery is not charged at the time of purchase.
- Fully charge the battery before use.
- It is more efficient to charge the battery with the handset powered off.
- The battery must be connected to the phone in order to charge it.
- Battery operating time gradually decreases over time.
- If the battery fails to perform normally, you may need to replace the battery.

POWER THE PHONE ON AND OFF

Powering the Phone On

1. Press and release 'End Key ' for a few seconds.

Powering the Phone Off

1. Press and hold 'End Key ' again for a few seconds.

Note:

- Immediately change or recharge the battery when "LOW BATTERY PHONE IS TURNING OFF!" appears on the display. Memory may possibly be damaged if the

phone turns off due to the battery completely draining.

- Turn the phone off before removing or replacing the battery. If the phone is on, unsaved data may be lost.

PLACING AND RECEIVING CALLS

Placing Calls

1. Enter a phone number.
2. Press 'Send Key ' to initiate the call.

Receiving Calls

1. To answer a call, press any key except 'End Key'.
2. To end the call, press 'End Key'.

PROGRAMMING AND USING SPEED DIAL NUMBERS

Programming Speed Dialing Numbers

1. Press 'Functional Soft Key [Contacts]'.
2. Select the desired contact name, then press 'OK'.
3. Select the desired phone number, then press 'Functional Soft Key [Menu]'.
4. Use the navigation key to select 'Add to Speed Dial' menu on your display screen, then press 'OK '.
5. Use the navigation key to select the desired keypad assignment, then press 'Functional Soft Key [Done]'.

Using Speed Dialing

2-9: Press and hold the corresponding memory number for more than 1 second.

10-99: Press the first digit and second digits of the memory number short and long respectively.

CHANGING RINGERS AND TONES

Selecting a Ringer or Tone

1. Press 'Functional Soft Key [Start]'.
2. Press '9 Key [Settings]', press '2 Key [Sounds]', then select 'Ring tone'.
3. Select one of the available ring types. To confirm, press 'Functional Soft Key [Done]'.

Adjusting Ringer or Tone Volume

1. Press 'Volume Key Up' or 'Volume Key Down' to select desired master volume level.

Setting Ringer or Tone to Vibrate

1. Press 'Quick List / Voice Key' [Quick List], then press '6' Key [Silent]

ACCESSING YOUR VOICE MAIL

New Customer

1. Press and hold '1' Key or press '* ', '8' Key ', '6' Key ', 'Send Key '.
2. Follow the voice tutorial to set up your account.

Existing Customer

1. Press and hold '1' Key or press '* Key ', '8' Key ', '6' Key ', 'Send Key '.
2. Enter your password when prompted, then press '# Key '.
3. To listen to new messages, press '1' Key '.

USING PIM

ActiveSync

Microsoft ActiveSync® allows you to synchronize information between your handheld device and a desktop/laptop computer. For more information about ActiveSync, please see the PN-820 online user manual located on the companion CD.

1. Install ActiveSync from the companion CD and follow the onscreen instructions.
2. Plug each end of the Chargeable Sync USB Cable into PN-820 and desktop/laptop computer.
3. Create a new partnership and follow the onscreen instruction to perform your first ActiveSync operation.

Adding Contacts

1. Press 'Functional Soft Key' [Contacts], then press 'Functional Soft Key' [New].
2. Enter the desired information in the spaces provided and Press 'Functional Soft Key' [Done].

Adding Appointments

1. Press 'Functional Soft Key' [Start], then press '4' Key [Calendar].
2. Press 'Functional Soft Key' [Menu], then press '1' Key [New Appointment].
3. Enter the rest of the desired information in the fields and press 'Functional Soft Key' [Done].

Adding Tasks

1. Press 'Functional Soft Key [Start]', then press '2 Key [Tasks]'.
2. In the 'Enter new task here box', enter the task name and press 'OK Key '.

TXT MESSAGING

Sending a New TXT Message

1. Press 'Functional Soft Key [Start]', press '5 Key [Messaging]', then press '1 Key [Text Messages]'.
2. Press 'Functional Soft Key [New]'.
3. Enter the recipients phone number in the **To:** field.
4. Press 'Navigation Down Key ', then enter your message.
5. Press 'Functional Soft Key [Send]'.

Predictive TXT Input

To choose Word mode, press and hold '* Key ' then choose **T9 English**. This mode predicts the words you are entering using a built-in dictionary. Press each key only once for each letter and your phone will predict the word you are entering.

PICTURE MESSAGING

Snapping and Sending a Picture

1. Press 'Camera Key ' on the right side of the phone.
2. Using the phone screen as your viewfinder, press 'OK Key ' to snap picture.
3. Press 'Functional Soft Key [Save]', then press 'Functional Soft Key [My PIX]'.
4. Choose picture with navigation key, press 'Functional Soft Key [Menu]', then press '1 Key [Send]'.
5. Press '3 Key [MMS Messages]'.
6. Press 'Functional Soft Key [New]'.
7. Enter the recipients phone number in the **To:** field.
8. Press 'Navigation Down Key ', then enter your message into the text box area.
9. Press 'Functional Soft Key [Send]'.
10. To confirm for sending a message, press 'Functional Soft Key [OK]'.

Receiving a New Picture Message

1. Press 'Functional Soft Key [Start]', press '5 Key [Messaging]', then press '3 Key [MMS Messages]'.
2. Select desired message in inbox list.

3. Press 'OK Key '.

S/W팁 추가 확인 필요

Replying to a Picture Message

1. Press 'Functional Soft Key [Start]', press '5 Key [Messaging]', then press '3 Key [MMS Messages]'.
2. Select desired message in inbox list.
3. Press 'Functional Soft Key [Menu]', then press '2 Key [Reply]'.
4. Press '1 Key [Reply]' to choose reply option.
5. The default call back number is automatically included. You can edit it.
6. Complete Snapping and Sending a Picture steps 7-10 as described on Page XX.

S/W팁 추가 확인 필요

Adding Sound to a Message

1. Press 'Functional Soft Key [Start]', press '5 Key [Messaging]', then press '3 Key [MMS Messages]'.
2. Press 'Functional Soft Key [New]'.
3. Enter the recipients phone number in the **To:** field.
4. Press 'Navigation Down Key ', then enter your message into the text box area.
5. Press 'Functional Soft Key [Menu]', press '2 Key [Add Item]', then press '3 Key [Sound]'.
6. Choose desired sound file.
7. Press 'Functional Soft Key [Send]'.
8. To confirm for sending a message, press 'Functional Soft Key [OK]'.

S/W팁 추가 확인 필요

Creating Picture Caller IDs

1. Press 'Functional Soft Key [Start]', press 'Functional Soft Key [More]', then press '3 Key [Pictures and Videos]'.
2. Select desired picture with the navigation key and press 'Functional Soft Key [Menu]'.
3. Press '3 Key [Save to Contact...]', select desired contact, then press 'Functional Soft Key [Select]'.

Storing a Picture on Your Phone

1. Press 'Camera Key ' on the right side of the phone.
2. Using the phone screen as your viewfinder, press 'OK Key ' to snap picture.
3. Press 'Functional Soft Key [Save]'.

Sending a Message Using a Picture Stored in the Phone's Galley

1. Press 'Functional Soft Key [Start]', press 'Functional Soft Key [More]', then

press '3 Key [Pictures and Videos]'.

2. Complete Snapping and Sending a Picture steps 4-10 as described on Page XX.

Storing a Photo to the Online Album, Pix Place

삭제 예정

USING THE WIRELESS WEB BROWSER

Launching the Browser

1. Press 'Functional Soft Key [Start]', then press '1 Key [Internet Explorer]'.
2. Choose favorite web site among the list or press 'Functional Soft Key [Menu]' and '1 Key [Address Bar]' to open your desired web site.

Ending a Browser Session

1. Press 'End Key ' to close and exit the browser.

Note: If you not close the browser with 'End Key ' properly, the connection will remain dormant but will not be disconnected.

1. Learning the Basics

Change between uppercase, lowercase, and caps lock

Press the * key to change between uppercase, lowercase, and caps lock within a text input mode.

Tip

In both Multipress and T9 modes, the first letter of a sentence is automatically capitalized.

Change the Multipress time out

1. On the Home screen, click **Start**.
2. Click **Settings > More > Accessibility**.
3. In **Multipress time out**, select the length of the pause between keypresses.

Delete characters

- To backspace and delete a single character in any input mode, press BACK.
- To backspace and delete an entire text or numeric field in any input mode, press and hold BACK.

Enter a space

- In Multipress or T9 mode, press the # key.

Enter a symbol

- Press and hold the * key.
- On the menu, click **Symbols** to display the Symbol page.
- Select the symbol you want and click **Done**.

Enter numbers in text boxes

To enter numbers, use Numeric mode. If you need to enter a number within a line of text, change to Numeric mode to enter the number, and then change back to Multipress or T9 mode to finish entering the text.

1. If necessary, change to Numeric mode by pressing and holding the * key.
2. On the keypad, enter the number or numbers you want.
3. Change back to Multipress or T9 input mode by pressing and holding the * key, and then finish entering your text.

Note

If a field permits a numeric entry only, such as a phone number, the input mode automatically defaults to Numeric mode.

Enter punctuation in Multipress mode

- Press **1** repeatedly until you see the punctuation mark that you want.

Tip

To see all of the available symbols, press and hold the **#** key.

Enter punctuation in T9 mode

In a text box when in T9 text entry mode, do the following:

- Press **1**, and select from a list of common punctuation.

Enter text in T9 mode

To form a word in T9 mode, press the number keys that contain the letters you want. As you enter letters, T9 analyzes your keypresses and attempts to complete the word. For example, to enter the word shoe, press 7, 4, 6, 3.

1. Press and hold the ***** key.
2. On the menu, click **T9**.

The T9 indicator appears at the top of the screen.

3. Enter letters by pressing the keys on which the letters appear. Press a key only once for each letter. If there is more than one choice in the T9 dictionary for your entry, a list of available words is displayed.
4. Press the **#** key to enter a space after the word as entered, or click one of the available words and the space is added automatically.
5. If you do not see the desired word, click **Add Word?** from the list, and then enter the word using Multipress.

Using the Quick List

The Quick List provides a list of commands that you can use to quickly perform common actions.

1. Press **POWER** briefly.
2. Click the Quick List command you want.

| To | Select this command |
|---|---------------------|
| Turn off the phone. | Power off |
| Enable the phone lock. | Device lock |
| Lock the keypad so that you cannot make | Key lock |

| | |
|--|---|
| accidental keypresses. To unlock the keypad, click Unlock , and then press the * key. | |
| Turn on or off any wireless connection, such as Bluetooth, Wi-Fi or cellular phone. (You will not be able to make or receive phone calls.) | Wireless Manager |
| Make one of these profiles the active profile. | Normal Silent Meeting Outdoor Automatic Headset Car Speakerphone |

Tip

You can turn off wireless connections to preserve battery life when you don't want to make or receive calls, or in environments where cell phones must be turned off. When wireless connections are off you can still use other phone features.

Open a program

1. On the Home screen, click **Start**.
2. Use NAVIGATION to select the program and press ENTER.

Start a new line

In a multi-line text box such as the Notes area of a contact or a calendar appointment, do the following:

- In any input mode, press ENTER.

Turn on Caps Lock

- In Multipress or T9 mode, press the * key until the status indicator for the text input mode appears in all capitals.

Press the * key to cycle back to lowercase.

Unlock the keypad

- On the Home screen, click **Unlock** and press the * key.

Note

You can still receive calls and make emergency calls when the keypad is locked.

Enter the plus sign for international calls

- In a numeric entry field, press and hold 0.

Lock the keypad

Locking the keypad turns off keypad functionality. This is a helpful feature if, for example, the phone is turned on and in your pocket, and you want to prevent accidental keypresses.

- On the Home screen, press and hold END.

Once the keypad is locked, the left soft key label changes to **Unlock**.

Note















You can still receive calls and make emergency calls when the keypad is locked.











Tip

Press POWER briefly to display the Quick List and click **Key lock**.

What do those status icons indicate?

Status indicators appear at the top of the screen and on the Home screen. The following table lists common status indicators and their meanings.

| Indicator | Meaning |
|---|----------------------------------|
|  | New e-mail or text message (SMS) |
|  | New voice mail |
|  | New instant message |
|  | Voice call |
|  | Voice call in progress |
|  | Data call in progress |
|  | Calls are forwarded |
|  | Call on hold |
|  | Missed call |
| 1 / 2 | Line 1/Line 2 |
|  | Battery level |
|  | Low battery |
|  | Battery charging |
|  | No battery |
|  | Signal strength |

| | |
|---|---------------------------------------|
|  | No signal |
|  | Roaming |
|  | Sync error |
|  | Radio off |
|  | Ringer off |
| abc | Multipress text input mode, lowercase |
| ABC | Multipress text input mode, uppercase |
| <u>ABC</u> | Multipress text input mode, caps lock |
| t9 | T9 text input mode, lowercase |
| T9 | T9 text input mode, uppercase |
| <u>T9</u> | T9 text input mode, caps lock |
| 123 | Numeric input mode |
|  | 1XRTT connection available |
|  | No voice mail |
|  | Voice mail Line 1 |
|  | Voice mail Line 2 |
|  | Voice mail Lines 1 and 2 |
|  | Call Forwarding Line 1 |
|  | Call Forwarding Line 2 |
|  | Call Forwarding Lines 1 and 2 |
|  | Wi-Fi connected |
|  | Pending alarm |

Entering text and numbers

You can enter text and numbers by using the keypad. The phone supports three input modes for entering text and numbers: Multipress, T9, and Numeric. Multipress and T9 modes are used for entering text, and Numeric mode is used for entering numbers.

When you select a field that requires text or numbers, the phone automatically selects the appropriate input mode. The status indicator on the top right side of the display screen shows the input mode that you are currently using.

Change the input mode

1. Press and hold the * key.
2. On the menu, click the input mode you want.

The status indicator for the selected input mode appears at the top of the screen.

Explore files and folders

File Explorer lets you browse the contents of folders on your phone. The root folder on the phone is named My Device. My Device is similar to My Computer on the PC and contains the My Documents, Program Files, Temp, Storage Card, and Windows folders among others.

1. On the Home screen, click **Start > File Explorer**.

The **My Documents** folder and its subfolders are listed.

2. To find the folder you want, do one of the following:
 - Select one of the folders listed in the main window.
 - Click **Menu**, and navigate through the folders listed there.
3. Click the item you want to open.

2. ActiveSync

Change ActiveSync settings

Once you set up synchronization using the Sync Setup wizard on the PC, you can later change your synchronization settings:

- If you want to change ActiveSync settings for synchronizing with a PC, use ActiveSync on the PC. For more information, see "Changing the amount of information synchronized" in ActiveSync Help on the PC.
- If you want to change ActiveSync settings for synchronizing with Exchange Server, use ActiveSync on your phone, as described in "Change settings for an information type."

See also

Install and set up ActiveSync

Connect the phone

Change settings for an information type

Change settings for an information type

Note

Before changing synchronization settings on the phone, disconnect it from your PC.

1. On the phone Home screen, click **Start > ActiveSync > Menu > Options**.
2. Select one of the information types.
3. Do one of the following:
 - To view or change settings for an information type (when available),

click **Settings**.

- To view or change settings for a computer or Exchange Server, click **Menu > Settings**.

4. Change the amount of information to be synchronized or other settings.
5. Click **Done** (or **Finish** in the Exchange Server settings wizard).

Set up an Exchange Server connection

To complete this configuration, you will need to get the name of the server and the server domain name from your service provider or system administrator. You must also know your Exchange user name and password.

Note

Before changing synchronization settings on the phone, disconnect it from your PC.

1. On the phone Home screen, click **Start > ActiveSync > Menu > Configure Server**.
If you have not yet set up sync with Exchange Server, this will say **Add Server Source**.
2. In **Server address**, enter the name of the server running Exchange Server, and click **Next**.
3. Enter your user name, password, and domain name, and click **Next**.
4. If you want the phone to save your password so that you will not need to enter it again when connecting, select the **Save password** check box.
5. Select the check boxes for the types of information items that you want to synchronize with Exchange Server.
6. To change available synchronization settings, select the type of information, and click **Menu > Settings**.
7. To change the rules for resolving synchronization conflicts, click **Menu > Advanced**.
8. Click **Finish**.

Connect the phone

Important note

To synchronize using ActiveSync, you must install ActiveSync on your PC before connecting your phone to the PC.

1. Turn on the phone.
2. Connect your phone to your PC using a serial cable, USB cable, Bluetooth, or infrared connection. For more detailed information, see "Connecting a mobile device to a PC" in ActiveSync Help on your PC.

See also

Install and set up ActiveSync

Change ActiveSync settings

Install and set up ActiveSync

1. Install ActiveSync on your PC, as described on the Windows Mobile Getting Started Disc. After Setup completes, the Sync Setup Wizard automatically starts when you connect your phone to the PC.
2. Follow the instructions on the screen to complete the wizard. In the Sync Setup Wizard, you can:
 - Create a synchronization relationship between your PC and the phone.
 - Configure an Exchange Server connection to synchronize directly with Exchange Server. To synchronize your phone with Exchange Server, obtain the name of the Exchange Server, your user name, password, and domain name from your administrator before completing the wizard.
 - Choose information types to synchronize.

Note

When you finish the wizard, ActiveSync synchronizes your phone automatically. Once synchronization completes, you can disconnect your phone from your PC.

See also

Connect the phone

Change ActiveSync settings

Schedule synchronization as items arrive

You can schedule automatic synchronization between your phone and Exchange Server every time an item arrives or is changed in Exchange Server if your company is running Exchange Server with Exchange ActiveSync, and after your first full synchronization with Exchange Server.

1. On the phone Home screen, click **Start > ActiveSync > Menu > Schedule**.
2. Do one or both of the following:
 - Under **Peak times**, select **As items arrive**. It's more cost-efficient to synchronize at regular intervals when mail volume is high.
 - Under **Off-peak times**, select **As items arrive**. This can be more cost-efficient than synchronizing on a regular schedule when mail volume is low.
3. Click **Done**.

Note

Before changing synchronization settings on the phone, disconnect the phone from your PC.

Change the synchronization schedule

Before changing synchronization settings, disconnect the phone from your PC.

1. On the phone Home screen, click **Start > ActiveSync > Menu > Schedule**.
2. Do one or more of the following:

| To sync | Do this |
|--|---|
| When you are working, or e-mail volume is high | Select an appropriately frequent interval in the Peak times list. |
| When e-mail volume is low | Select a longer interval or As items arrive in the Off-peak times list. |
| While roaming | Select the Use above settings while roaming check box. To minimize roaming charges, clear the check box, and synchronize manually while roaming. |
| When you click Send in Messaging on the phone | Select the Send outgoing items immediately check box. |

Important note

The device power-down timer is reset each time you synchronize. If you schedule a synchronization interval that is shorter than the time interval set for the device to automatically power down, the device will never turn off to save battery power.

Tip

To change peak time settings to more accurately adjust to periods of e-mail volume for you, click **Menu > Peak Times**.

Start and stop synchronization

1. On the Home screen, click **Start > ActiveSync**.
2. To start synchronization, click **Sync**.
3. To stop synchronizing, click **Stop**.

Note

You can start and stop synchronization only if your phone already has a sync relationship with a PC or Exchange Server.

View information about sync status

ActiveSync keeps synchronization status messages on a status page for you to view at any time. You can view status in one of the following ways:

- When alert text is displayed on the ActiveSync main page, click the alert text to open the status page.
- Click **Menu > Status**.

Note

Some errors interfere with automatic synchronization. If you suspect that a scheduled synchronization has not occurred, you should attempt to manually synchronize your information. Successfully completing manual synchronization resets automatic synchronization. For more information, see "Synchronizing Information" in ActiveSync Help on the PC.

Connect to a PC using infrared

1. Follow the instructions in ActiveSync Help on the PC for setting up your PC to receive infrared beams.
2. Line up the infrared (IR) ports according to the instructions in the manufacturer's documentation for your phone so that they are unobstructed and within close range.
3. On the phone Home screen, click **Start > ActiveSync**.
4. Click **Menu > Connect via IR**.
5. Click **Sync**.

Connect to a PC using Bluetooth

1. Follow the instructions in ActiveSync Help on the PC for configuring Bluetooth on your PC to support ActiveSync.
2. On the phone Home screen, click **Start > ActiveSync**.
3. Click **Menu > Connect via Bluetooth**. Ensure that the phone and PC are within close range.
4. If this is the first time you have connected to this PC via Bluetooth, you must complete the Bluetooth wizard on the phone and set up a Bluetooth partnership with the PC before synchronizing.
5. Click **Sync**.
6. When finished, click **Menu > Disconnect Bluetooth**.
7. To preserve battery power, turn off Bluetooth.

Change e-mail security options

ActiveSync lets you set up S/MIME e-mail encryption and signing. You will have to obtain a valid certificate for signing or encrypting e-mail before you will be able to sign or encrypt e-mail successfully.

1. On the Home screen, click **Start > ActiveSync**.
2. Click **Menu > Options**.
3. Select the E-mail information type, and click **Settings**.
4. Click **Menu > Advanced**.
5. Do one or both of the following:
 - To sign all outgoing messages so that a recipient can be certain that the message as received was sent by the claimed sender, and has not been altered in any way, click **Sign messages**.
 - To encrypt all outgoing e-mail to protect the contents of the message from being viewed by anyone other than the intended recipient, click **Encrypt messages**.
6. Click **Menu > Choose Certificate** to select a certificate for signing or encrypting outgoing e-mail. You can select certificates to sign or encrypt e-mails individually even if you do not want to sign or encrypt all outgoing e-mail.

Note

Synchronizing e-mail using S/MIME encryption or signing is available only with Exchange Server 2003 Service Pack 2, or later.

Exclude an e-mail address from Reply All

ActiveSync can help you manage your e-mail by ignoring a specified e-mail address when you reply to all senders from the phone. If you specify your own primary e-mail address, this can reduce the number of e-mails you receive by ensuring that you do not receive your own e-mail.

1. On the Home screen, click **Start > ActiveSync**.
2. Click **Menu > Options**.
3. Select **E-mail**, and click **Settings**.
4. Click **Menu > Advanced**.
5. Enter the e-mail address you want to remove when replying to all senders in **Primary e-mail address**.

ActiveSync support code troubleshooter

ActiveSync supplies support codes to supplement error and other status messages on

the Status page. This topic maps these support codes to information that may help you respond to ActiveSync problems.

| Windows Mobile Version 5.0 Support Code | Windows Mobile 2003 Support Code (if different) | Error Message | Troubleshooting information |
|---|---|---|--|
| 0x85002002 | 0x80042001 | There is not enough free memory on your device to synchronize information. Delete unused files from your device or close programs that are running to free up memory. | ActiveSync ran out of storage. Try to sync again after you free more storage. |
| 0x85002003 | 0x80042002 | The server could not be reached. This can be caused by temporary network conditions. | Sync was not completed because the device had to wait too long to establish a connection with Exchange Server. Try to sync again later. |
| 0x85002004 | | You have stopped synchronization. | This is an informative message and does not indicate an error. Synchronization was stopped manually. |
| 0x85002007 | 0x80042006 | ActiveSync encountered a problem on the server. | There is a temporary problem with the server. Try again later. If the problem persists, you may need to contact an administrator. |
| 0x85002008 | | ActiveSync encountered a problem with the following item: [Item Type]: [Item Name] If the error persists, | This is an error synchronizing a single item (a per-item error). This error can usually be corrected only by removing the item that caused the error. If you choose to sync again to see if the error persists, be aware |

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| | | you may need to delete the item. | that items causing this type of error will be skipped and will not show up again. |
| 0x85002009 | | Not available. | A previous sync error requires that sync data be removed, but that removal cannot be completed. Try to sync again, and the removal should complete normally. |
| 0x8500200A | 0x80042009 | Your account information could not be detected. Choose Configure Server on the ActiveSync menu to check your Exchange Server credentials. | When setting up sync with Exchange Server, the credentials page was left blank. Correct the credentials, or set up the device to sync only with a PC, and try to sync again. |
| 0x8500200B | 0x800421D9 | The server could not be reached. This can be caused by temporary network conditions. | This message is often returned when Exchange Server is overloaded. Try to sync again later. |
| 0x8500200D | 0x8004200C | The device timed out waiting for you to supply credentials. | The Exchange Server credentials page was left open too long. Re-enter the Exchange Server credentials, and try to sync again. |
| 0x8500200F | | You have canceled synchronization. | This error usually occurs when you cancel the Exchange Server credentials page. Make sure you are correctly set up to sync with the PC or with Exchange Server, and try to sync again. |
| 0x85010000 | | Not available. | This is could be one of a number of minor Internet errors. Try to sync again later. |

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| 0x85010002 | 0x800421D2 | Access was denied. Choose Configure Server on the ActiveSync menu to check your server username and password. | If you sync on a schedule, sync has been changed to manual. After you have re-established access to Exchange Server, you can set up your sync schedule. |
| 0x85010008 | 0x800421D8 | The proxy server you have specified is incompatible with your device. Specify the correct proxy server in your connection configuration. | If you sync on a schedule, sync has been changed to manual. After you successfully sync with Exchange Server, you can set up your sync schedule. |
| 0x85010009 | 0x800421D9 | The server could not be reached. This can be caused by temporary network conditions. | Due to poor network conditions, sync with Exchange Server could not be completed. This condition is generally temporary. Try to sync again later. |
| 0x85010014 | 0x80042235 | ActiveSync encountered a problem on the server. | Exchange Server reported an internal error. This condition is generally temporary. Try to sync again later. However, if the problem persists, you may need to contact an administrator. |
| 0x85010015 | 0x80042236 | ActiveSync encountered network problems or an internal server error while synchronizing. | This type of error is often returned when Exchange Server runs out of memory. This condition is generally temporary. Try to sync again later. |
| 0x85010016 | 0x80042237 | ActiveSync encountered network problems or an internal server error while synchronizing. | An error message was returned from the network. This condition is generally temporary. Try to sync again later. |

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| 0x85010017 | 0x80042238 | ActiveSync encountered a problem on the server. | This message is often returned when Exchange Server is overloaded. This condition is generally temporary. Try to sync again later. |
| 0x85010018 | 0x80042239 | ActiveSync encountered a problem on the server. | This error is usually due to network conditions. The condition is generally temporary. Try to sync again later. |
| 0x85010019 | 0x8004223A | ActiveSync encountered network problems or an internal server error while synchronizing. | Exchange Server reports an Internet error. This condition is generally temporary. Try to sync again later. |
| 0x85020002 | 0x800422BD | The server could not be reached. This can be caused by temporary network conditions. | The connection to Exchange Server was lost. This condition is generally temporary. Try to sync again later. |
| 0x85020003 | 0x8004225E | The server could not be reached. This can be caused by temporary network conditions. | The connection to Exchange Server was lost. This condition is generally temporary. Try to sync again later. |
| 0x85020004 | 0x8004225F | Synchronization interrupted. | The connection was ended by the user. Re-establish the connection and try to sync again. |
| 0x85020006 | 0x80040024 | Cannot connect with current connection settings. To change your connection setting, tap Settings. | This is typically caused by not having a valid network or modem connection set up. Check your connection settings and try to sync again. |
| 0x85020007 | 0x8004227E | The server could not be reached. This can be caused by temporary network | Due to poor network conditions, sync with Exchange Server could not be completed. This condition is generally temporary. |

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| | | conditions. | Try to sync again later. |
| 0x85020008 | 0x80042263 | Unable to connect. Voice call is in progress. | A voice call was in progress and interrupted sync. Connection is normally resumed upon completion of the call. |
| 0x85020009 | 0x80042262 | The server could not be reached. This can be caused by temporary network conditions. | Due to poor network conditions, sync with Exchange Server could not be completed. This condition is generally temporary. Try to sync again later. |
| 0x8502000A | 0x8004227D | The server could not be reached. This can be caused by temporary network conditions. | This condition is generally temporary. Try to sync again later. |
| 0x8502000B | | Cannot connect with current connection settings. To change your connection setting, tap Settings. | This is typically caused by not having a valid network or modem connection set up. Check your connection settings and try to sync again. |
| 0x8502000C | 0x8004225D | The server could not be reached. This can be caused by temporary network conditions. | This condition is generally temporary. Try to sync again later. |
| 0x8502000D | 0x800422BE | Synchronization interrupted. | The connection attempt was abruptly ended. Try to sync again. |
| 0x85030000 | 0x80140010 | You are roaming, and you have chosen not to use your schedule settings while roaming. | Try to sync again when you are within your network coverage area. You can sync manually while roaming if you are willing to incur any roaming charges. |
| 0x85030019 | 0x80140022 | ActiveSync was unable to synchronize because your | The phone is turned off. Turn the phone on and try to sync again. |

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| | | wireless phone was off. | |
| 0x85030027 | | Exchange Server requires certificates to log on. Connect your device to your PC on the corporate network to obtain a certificate. | In environments where security certificates are required, sync cannot be completed until the proper certificate is obtained. You may need to contact an administrator to obtain a certificate. |
| 0x85030028 | | Cannot obtain a valid certificate. To try again, please disconnect and reconnect your device to a PC on the corporate network. If this problem persists, please contact your administrator. | In environments where security certificates are required, sync cannot be completed until the proper certificate is obtained. You may need to contact an administrator to obtain a certificate. |
| 0x80072ee1 | | The server could not be reached. This can be caused by temporary network conditions. | This condition is generally temporary. Try to sync again later. |
| 0x80072ee2 | | The server could not be reached. This can be caused by temporary network conditions. | This condition is generally temporary. Try to sync again later. |
| 0x80072ee4 | | The server could not be reached. This can be caused by temporary network conditions. | Exchange Server reports an internal error. This condition is generally temporary. Try to sync again later. |
| 0x80072ee5 | | Synchronization could not be completed. | This can be caused by Exchange Server load conditions. This |

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| | | Verify that you have entered the correct server. | condition is generally temporary. Try to sync again later. |
| 0x80072ee6 | | ActiveSync encountered a problem on your device. | This condition is generally temporary. Try to sync again later. |
| 0x80072ee7 | | The server could not be reached. This can be caused by temporary network conditions. | The Exchange Server name could not be resolved. Check that you have the correct Exchange Server name, and try to sync again. |
| 0x80072ee8 | | ActiveSync encountered a problem on your device. | This condition is generally temporary. Try to sync again later. |
| 0x80072ee9 | | ActiveSync encountered a problem on your device. | This condition is generally temporary. Try to sync again later. |
| 0x80072eea | | ActiveSync encountered a problem on your device. | This condition is generally temporary. Try to sync again later. |
| 0x80072eeb | | ActiveSync encountered a problem on your device. | This condition is generally temporary. Try to sync again later. |
| 0x80072eec | | The server could not be reached. This can be caused by temporary network conditions. | Exchange Server reports an Internet error. This condition is generally temporary. Try to sync again later. |
| 0x80072eed | | Not available. | The connection to Exchange Server could not be completed because the supplied user name |

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| | | | is incorrect. Correct the user name, or verify that you have Exchange Server access, and try again. |
| 0x80072eee | | Not available. | The connection to Exchange Server could not be completed because the supplied password is incorrect. Correct the password and try again. |
| 0x80072ef0 | | ActiveSync encountered a problem on your device. | This condition is generally temporary. Try to sync again later. |
| 0x80072ef1 | | The server could not be reached. This can be caused by temporary network conditions. | This condition is generally temporary. Try to sync again later. |
| 0x80072ef2 | | ActiveSync encountered a problem on your device. | This condition is generally temporary. Try to sync again later. |
| 0x80072ef3 | | The server could not be reached. This can be caused by temporary network conditions. | This condition is generally temporary. Try to sync again later. |
| 0x80072ef4 | | The server could not be reached. This can be caused by temporary network conditions. | Exchange Server reports a proxy server error. Check your proxy server settings and try to sync again. |
| 0x80072ef5 | | ActiveSync encountered a problem on your device. | This condition is generally temporary. Try to sync again later. |

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| 0x80072ef6 | | ActiveSync encountered a problem on your device. | This condition is generally temporary. Try to sync again later. |
| 0x80072ef7 | | The server could not be reached. This can be caused by temporary network conditions. | Direct network access is not available. This condition is generally temporary. Try to sync again later. |
| 0x80072ef8 | | ActiveSync encountered a problem on your device. | This condition is generally temporary. Try to sync again later. |
| 0x80072ef9 | | ActiveSync encountered a problem on your device. | This condition is generally temporary. Try to sync again later. |
| 0x80072efa | | The server could not be reached. This can be caused by temporary network conditions. | Sync could not be completed, probably due to network traffic. This condition is generally temporary. Try to sync again later. |
| 0x80072efb | | ActiveSync encountered a problem on your device. | This condition is generally temporary. Try to sync again later. |
| 0x80072efc | | Synchronization could not be completed. Verify that you have entered the correct server. | This can be caused by Exchange Server load conditions. The condition is generally temporary. Try to sync again later. |
| 0x80072efd | | The server could not be reached. This can be caused by temporary network conditions. | This condition is generally temporary. Try to sync again later. |

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| 0x80072efe | | The server could not be reached. This can be caused by temporary network conditions. | The connection to Exchange Server was lost. This condition is generally temporary. Try to sync again later. |
| 0x80072eff | | The server could not be reached. This can be caused by temporary network conditions. | The connection to Exchange Server was lost. This condition is generally temporary. Try to sync again later. |
| 0x80072f00 | | The server could not be reached. This can be caused by temporary network conditions. | This condition is generally temporary. Try to sync again later. |
| 0x80072f01 | | Synchronization could not be completed. Verify that you have entered the correct server. | This condition is generally temporary. Try to sync again later. |
| 0x80072f04 | | The server could not be reached. This can be caused by temporary network conditions. | This condition is generally temporary. Try to sync again later. |
| 0x80072f05 | 0x80072f05 | The security certificate on the server has expired. Check that the date and time on your device are correct. | The date on the certificate for the Secure Sockets Layer (SSL) connection does not match your device settings. Your device date and time are incorrect, or the certificate is expired. If the certificate has expired, you may need to contact an Exchange Server administrator. If you sync on a schedule, sync has been changed from scheduled to |

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| | | | manual. |
| 0x80072f06 | | <p>You have an incorrect SSL certificate common name in the Host Name field. For example, you may have entered www.server.com, when the common name on the certificate is actually www.different.com.</p> <p>Make sure the server name is entered correctly.</p> | The Exchange Server name in your ActiveSync settings is different from the one required to establish a Secure Sockets Layer (SSL) connection. Correct the Exchange Server name and try to sync again. If you sync on a schedule, sync has been changed from scheduled to manual. |
| 0x80072f07 | | Synchronization could not be completed. Try again later. | This is an Internet error that is generally temporary. Try to sync again later. |
| 0x80072f08 | | Synchronization could not be completed. Try again later. | This is an Internet error that is generally temporary. Try to sync again later. |
| 0x80072f09 | | Synchronization could not be completed. Try again later. | This is an Internet error that is generally temporary. Try to sync again later. |
| 0x80072f0a | | Synchronization could not be completed. Try again later. | This is an Internet error that is generally temporary. Try to sync again later. |
| 0x80072f0b | | Synchronization could not be completed. Try again later. | This is an Internet error that is generally temporary. Try to sync again later. |
| 0x80072f0d | 80072f0d | The security certificate on the server is invalid. Contact your Exchange Server administrator or ISP | ActiveSync does not recognize the Certificate Authority that generated the server's certificate. If you sync on a schedule, sync has been changed from scheduled to |

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| | | to install a valid certificate on the server. | manual. |
| 0x80072F7A | | ActiveSync encountered a problem on your device. | This condition is generally temporary. Try to sync again later. |
| 0x80072F7C | | ActiveSync encountered a problem on your device. | This condition is generally temporary. Try to sync again later. |
| 0x86000106 | | A critical error has occurred. ActiveSync can recover from this error, but the next time you synchronize, you may lose changes made since your last successful synchronization. | Any changes made to synchronized information on the device since the last successful sync will be lost the next time you sync, but sync should succeed. |
| 0x8600050D | | A critical error has occurred. ActiveSync can recover from this error, but the next time you synchronize, you may lose changes made since your last successful synchronization. | Any changes made to synchronized information on the device since the last successful sync will be lost the next time you sync, but sync should succeed. |
| 0x80004005 | | Synchronization could not be completed. If this condition persists, try deleting and then re-creating the device's sync relationships. | Problem could be caused by a specific folder or item on the device. The problem will persist unless you delete the item or items, which can be difficult to identify. Usually a new sync relationship will sync |

| | | | |
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| | | | successfully. |
|--|--|--|---------------|

3. Connections

Accept a Bluetooth partnership

1. Ensure that Bluetooth is turned on and that your phone is discoverable.
2. When prompted to accept a Bluetooth partnership with the other device, click **Yes**.
3. In **PIN**, enter a personal identification number (PIN) between 1 and 16 characters, and click **Done**. You must enter the same PIN that was entered on the device requesting the Bluetooth partnership.

The Bluetooth partnership is created. You can now exchange information with the other device.

See also

Turn Bluetooth on and off

Make your device discoverable

Connect to intranet URLs

Some companies use periods in their intranet URLs (for example, intranet.companyname.com). A Work URL exception tells Internet Explorer Mobile to look on the Work network to find the URL instead of searching the Internet.

1. On the Home screen, click **Start > Settings > Connections**.
2. Click **Menu > Advanced > Menu > Work URL Exceptions**.
3. Click **Menu > Add**.
4. In **URL Pattern**, enter the URL, and click **Done**. Separate multiple URLs with a semicolon (;).

Note

You should not create URL exceptions for URLs on the Internet.

See also

Change an intranet URL

Delete an intranet URL

Use a specific connection to connect to the Internet

When you create the connection, be sure to set the **Connects to** setting to **The Internet**.

1. On the Home screen, click **Start > Settings > Connections**.

2. Click **Menu > Advanced**.
3. In **Internet connection**, select the connection you want to use, and click **Done**.

Tip

After you use the connection once, you may want to change your **Internet Connection** back to **Automatic**.

Create a Bluetooth partnership

Ensure that the two devices are within close range and that both Bluetooth-enabled devices are discoverable.

1. On the Home screen, click **Start > Settings > Connections > Bluetooth**.
2. Click **Menu > Devices > Menu > New**. Your phone searches for other Bluetooth-enabled devices and displays them in the list.
3. Select the device with which you want to create a Bluetooth partnership, and click **Add**.
4. In **Passkey**, if you want to use a passkey (recommended for enhanced security), enter a alphanumeric passkey between 1 and 16 characters, and click **Done**. Otherwise, leave the passkey blank, and click **Done**.
5. Enter the same passkey on the other device.

Tip

Once you create a partnership, the Bluetooth-enabled devices don't need to be discoverable to beam information between them; Bluetooth needs only to be turned on.

See also

Make your device discoverable

Create a dial-up connection

Every network connection is different. You should gather all of the relevant information or network settings you need before starting this process.

1. On the Home screen, click **Start > Settings > Connections**.
2. Click **Dial-up**.
3. Click **Menu > Add**.
4. Enter the following information, and click **Done**.
 - In **Description**, enter a name for the connection.
 - In **Connects to**, select the network.
 - In **Phone number**, enter the phone number to be used to dial the network.
 - In **User name**, enter your network user name, if required.
 - In **Password**, enter your password, if required.

- In **Domain**, enter the domain name, if required.

See also

Create a VPN connection

Create a Wi-Fi connection

Create a proxy connection

Every network connection is different. You should gather all of the relevant information or network settings you need before starting this process.

1. On the Home screen, click **Start > Settings > Connections**.
2. Click **Proxy**.
3. Click **Menu > Add**.
4. Enter the following information, and click **Done**.
 - In **Description**, enter a name for the connection.
 - In **Connects from**, select the type of network from which you will connect.
 - In **Connects to**, select the type of network to which you will connect.
 - In **Proxy [name:port]** enter the proxy server name and port number in this form: server name:port number.
 - In **Type**, select the type of proxy connection to create.
 - In **User name**, enter your user name for the network to which you will connect.
 - In **Password**, enter your password.

Create a VPN connection

Every network connection is different. You should gather all of the relevant information or network settings you need before starting this process.

1. On the Home screen, click **Start > Settings > Connections**.
2. Click **VPN**.
3. Click **Menu > Add**.
4. Enter the following information, and click **Done**.
 - In **Description**, enter a name for the connection.
 - In **VPN type**, select the type of VPN.
 - In **Server**, enter the VPN server name.
 - In **Connects from**, select the type of network from which you will connect to the VPN (typically **The Internet**).
 - In **Connects to**, select the type of network to which you will connect (typically **My Corporate Network**).

- In **User name**, enter your user name for the VPN.
- In **Password**, enter your password.
- In **Domain**, enter the domain name, if required.
- If you selected **IPSec** in **VPN type**, in **IPSec authentication**, select the type of authentication: **Pre-Shared Key** or **Certificate**.
- If you selected **Pre-Shared Key** in **IPSec authentication**, in **IPSec Pre-shared key**, enter the key.

End a Bluetooth partnership

1. On the Home screen, click **Start > Settings > Connections > Bluetooth**.
2. Click **Menu > Devices**.
3. Select the Bluetooth partnership you want to end.
4. Click **Menu > Delete**.

See also

Make your device discoverable

Turn Bluetooth on and off

Create a Bluetooth partnership

Delete a dial-up connection

1. On the Home screen, click **Start > Settings > Connections**.
2. Click **Dial-up**.
3. Select the connection to delete.
4. Click **Menu > Delete**.
5. Click **Yes**, and click **Done**.

Delete a proxy connection

1. On the Home screen, click **Start > Settings > Connections**.
2. Click **Proxy**.
3. Select the connection to delete.
4. Click **Menu > Delete**.
5. Click **Yes**, and click **Done**.

Delete an intranet URL

1. On the Home screen, click **Start > Settings > Connections**.
2. Click **Menu > Advanced > Menu > Work URL Exceptions**.
3. Select the URL to delete.

4. Click **Menu**, and click **Delete**.

See also

Connect to intranet URLs

Change an intranet URL

Delete a VPN connection

1. On the Home screen, click **Start** > **Settings** > **Connections**.
2. Click **VPN**.
3. Select the connection to delete.
4. Click **Menu** > **Delete**.
5. Click **Yes**, and click **Done**.

Edit a dial-up connection

1. On the Home screen, click **Start** > **Settings** > **Connections**.
2. Click **Dial-up**.
3. Select the connection to edit.
4. Click **Menu** > **Edit**.
5. Change any information, and click **Done**.

Edit a proxy connection

1. On the Home screen, click **Start** > **Settings** > **Connections**.
2. Click **Proxy**.
3. Select the connection to edit.
4. Click **Menu** > **Edit**.
5. Change any information, and click **Done**.

Change an intranet URL

1. On the Home screen, click **Start** > **Settings** > **Connections**.
2. Click **Menu** > **Advanced** > **Menu** > **Work URL Exceptions**.
3. Select the URL to edit.
4. Click **Menu** > **Edit**.
5. Edit the URL, and click **Done**.

See also

Connect to intranet URLs

Delete an intranet URL

Edit a VPN connection

1. On the Home screen, click **Start > Settings > Connections**.
2. Click **VPN**.
3. Select the connection to edit.
4. Click **Menu > Edit**.
5. Change any information, and click **Done**.

Make your device discoverable

To receive beamed information, beaming devices or computers must be able to detect your device.

1. On the Home screen, click **Start > Settings**.
2. Click **Connections > Bluetooth**.
3. Select **Discoverable**, and click **Done**.

Other Bluetooth-enabled devices can now detect your phone and attempt to beam information to it, establish a Bluetooth partnership, or use a Bluetooth service.

Notes

Selecting **Discoverable** also turns on Bluetooth.

Turning off Bluetooth will make your device not discoverable, and it will also prevent you from sending a Bluetooth beam.

See also

End a Bluetooth partnership

Create a Bluetooth partnership

Rename a Bluetooth partnership

You can give a more meaningful name to a Bluetooth partnership to help you recognize it when selecting from a list of partnerships.

1. On the Home screen, click **Start > Settings > Connections > Bluetooth**.
2. Click **Menu > Devices**.
3. Select the Bluetooth partnership to rename.
4. Click **Menu > Rename**.
5. In **Name**, enter a new name for the Bluetooth partnership, and click **Done**.

See also

Make your device discoverable

Turn Bluetooth on and off

End a Bluetooth partnership

Create a Bluetooth partnership

Turn Bluetooth on and off

By default Bluetooth is turned off. If you turn it on, and then turn off your device, Bluetooth also turns off. When you turn on your device again, Bluetooth turns on automatically.

1. On the Home screen, click **Start > Settings > Connections > Bluetooth**.
2. Select **On** or **Off**, and click **Done**.

Note

You can also turn off Bluetooth using Wireless Manager.

See also

Make your device discoverable

End a Bluetooth partnership

Create a Bluetooth partnership

Turn wireless power on or off

Receive beamed information

1. On the Home screen, click **Start > Settings**.
2. Click **Connections > Beam**.
3. Select **Receive incoming beams**.
4. Do one of the following:
 - To receive beams by using infrared, align the infrared (IR) ports so that they are unobstructed and within close range of each other.
 - To receive beams by using Bluetooth, ensure Bluetooth is turned on and that your phone is discoverable and within close range.
5. Click **Yes**.

Notes

Once you select **Receive incoming beams**, your phone automatically receives beams until you clear this check box.

Your phone can receive all types of beamed files, but you may not be able to view all types of files on the phone. You may need to copy some files to a PC for viewing.

See also

Turn Bluetooth on and off

Make your device discoverable

Receive incoming beams

Your phone receives all incoming beams from other devices until you clear this option.

1. On the Home screen, click **Start > Settings**.
2. Click **Connections > Beam**.
3. Select **Receive incoming beams**.
4. Click **Done**.

Beam an item

In the Calendar, Contacts, Notes, Tasks, and Pictures programs, you can beam files and information to other devices using Bluetooth or infrared.

1. From the program, select the item you want to beam, such as an appointment in Calendar, a task in Tasks, a contact card in Contacts, or a picture in Pictures. In Calendar, first open the appointment in Agenda view.
2. Click **Menu > Beam [type of item]**.
3. Do one of the following:
 - If using Bluetooth, select the device to which you want to send the item.
 - If using infrared, align the infrared (IR) ports at close range until the target device name appears, and then select the device to which you want to send the item.
4. Click **Beam**.

Tip

When using Bluetooth, if the device that you want to beam to doesn't appear in the list, ensure that the device is turned on, discoverable, and within close range of your phone. Also, ensure that Bluetooth is turned on.

See also

Make your device discoverable

Receive beamed information

Overview of Bluetooth virtual COM ports

Some programs can connect only through a serial (COM) port. This can be true even if the device itself is Bluetooth-enabled. To make it possible for such programs to use a Bluetooth connection, you must set up a virtual COM port. Once created, this virtual port can be used like any other COM port. You can use a virtual COM port for programs that, for example, connect to a GPS receiver, or to connect to a Bluetooth-enabled printer.

Here are some examples of how to use incoming and outgoing virtual COM ports.

Outgoing COM port

You have a program on your device that cannot use Bluetooth directly but can print to a

serial (COM) port. You can create a Bluetooth partnership with a Bluetooth-enabled printer, and then set up an outgoing COM port (for example, COM 1). The program can then send print data to COM 1, which reaches the Bluetooth-enabled printer.

Incoming COM port

You have a Bluetooth-enabled GPS receiver, and your device has a GPS tracking program that expects to receive GPS data over a serial (COM) port. You can create a Bluetooth partnership with the Bluetooth-enabled GPS receiver, and then set up an incoming COM port (for example, COM 2). The GPS program can then send data to COM 2, which reaches the GPS receiver.

Even if both your device and another Bluetooth-enabled device contain programs that need to use serial ports to communicate, you can set up the appropriate virtual incoming and outgoing COM ports on each device so that the programs can use a Bluetooth connection to communicate.

See also

Create a Bluetooth partnership

Set up an incoming Bluetooth COM port

Set up an outgoing Bluetooth COM port

Set up an incoming Bluetooth COM port

1. Make sure that your device is currently connected to the other device via Bluetooth.
2. On the Home screen, click **Start > Settings > Connections**.
3. Click **Bluetooth > Menu > COM Ports**.
4. Click **Menu > New Incoming Port**.
5. Select a numbered COM port from the list.

If the port cannot be created, it is in use. Select a different numbered port.

To use this COM port to communicate only with devices with which your device has a Bluetooth partnership, select the **Secure Connection** check box.

6. Click **Done**.

See also

Overview of Bluetooth virtual COM ports

Set up an outgoing Bluetooth COM port

Create a Bluetooth partnership

Set up an outgoing Bluetooth COM port

The **New Outgoing Port** menu command is available only if one or more Bluetooth-

connected devices supports serial (COM) connections.

1. Make sure that your device is currently connected to the other device via Bluetooth.
2. On the Home screen, click **Start > Settings > Connections**.
3. Click **Bluetooth > Menu > COM Ports**.
4. Click **Menu > New Outgoing Port**.
5. Select a numbered COM port from the list.
If the port cannot be created, it is in use. Select a different numbered port.
6. To use this COM port to communicate only with devices with which your device has a Bluetooth partnership, select the **Secure Connection** check box.
7. Click **Done**.

See also

[Overview of Bluetooth virtual COM ports](#)

[Set up an incoming Bluetooth COM port](#)

[Create a Bluetooth partnership](#)

Set up a Bluetooth-enabled headset

You can use a Bluetooth-enabled headset (or other Bluetooth-enabled hands-free device) with your device when you create a Bluetooth partnership between your device and the Bluetooth headset.

1. Make sure that the two devices are turned on and within close range, and that the Bluetooth-enabled headset is discoverable.
2. On the Home screen, click **Start > Settings > Connections**.
3. Click **Bluetooth > Menu > Devices**.
4. Click **Menu > New**. Your device searches for other Bluetooth-enabled devices and displays them in the list.
5. Click the name of the Bluetooth-enabled, hands-free device, and click **Add**.
6. In **Passkey**, enter the alphanumeric passkey for the Bluetooth-enabled hands-free device. You can find this in the manufacturer's documentation for your hands-free device. Click **Next**.
7. Select the check box for the **Hands Free** service, and click **Finish**.

Set up a stereo headset

Windows Mobile-based devices support A2DP (Advanced Audio Distribution Profile), which is used by Bluetooth-enabled stereo headsets. Make sure that your stereo headset also supports A2DP.

1. Make sure that your device and the stereo headset are turned on, discoverable, and within close range.
2. On the Home screen, click **Start > Settings > Connections**.
3. Click **Bluetooth > Menu > Devices**.
4. Click **Menu > New**. Your device searches for other Bluetooth-enabled devices and displays them in the list.
5. Select the name of the stereo headset, and click **Add**.
6. In **Passkey**, enter the alphanumeric passkey for the Bluetooth-enabled stereo headset. You can find this in the manufacturer's documentation for your hands-free device. Click **Next**.
7. Select the check box for the **Hands Free** service, and click **Finish**.

Note

If the headset becomes disconnected, turn the headset on and repeat steps 1-4 above. Select the stereo headset and click **Menu > Set as Wireless Stereo**.

Turn wireless power on or off

You can turn the power off to your wireless connections in a single location. This is a quick way to preserve battery power or to prepare your device for an airplane flight.

1. Press POWER briefly to display the Quick List.
2. Click **Wireless Manager**.
3. Do one of the following:
 - Click the button for a desired wireless connection type (such as **Bluetooth** or **Phone**) to turn it off or on. If it is already turned off, the button is a lighter color and displays an icon marked with an X.
 - Click **All** to turn all wireless power on or off (available only when more than one wireless type exists on your device).

Note

To change settings for one of the displayed wireless connection types, click **Menu** and click the type of settings you want to change.

4. Phone

Access voice mail from Messaging

1. On the Home screen, click **Start > Messaging > Text Messages**.
2. Click the voice-mail message.

3. Follow the instructions to retrieve it.

Answer or postpone a second call

To put the first call on hold and answer the second call, press TALK or click **Answer**.

To switch between calls, click **Swap**.

To postpone answering the call, click **Ignore**. The call will continue ringing until one of the following occurs: you answer the call by pressing TALK, the call is placed in voice mail after the requisite number of rings, or the caller disconnects.

Answer or ignore a first call

To answer the call, press TALK or click **Answer**.

To reject the call, press END or click **Ignore**.

Note

Selecting **Ignore** will connect the caller to your voice mail if you subscribe to this service.

Call your voice mailbox

On the Home screen, press and hold **1** to call your voice mailbox.

Change the default number for a contact

1. On the Home screen, click **Start > Contacts**.
2. Select the contact whose default number you want to change.
3. Press NAVIGATION left or right to select the number or other contact method that you want to set as the default. For example, on the right you will see the letter **h**, which represents your contact's home phone number.

Create a contact card for a caller

1. During a call, click **Menu > Save to Contacts**.
2. Click **<New Item>**.
3. Scroll to a phone number box and click **Insert** to insert the phone number.
4. Enter information about the contact and click **Done**. The contact is added to your contact list.

Create a contact from Call History

1. On the Home screen, click **Start > Call History**.
2. Select the phone number for which to create a contact and click **Menu > Save to**

Contacts.

3. Click **<New Item>**.
4. In a phone number box, click **Insert** to insert the phone number.
5. Enter the remainder of the contact information and click **Done**. The new contact appears in your contact list.

Create a speed dial

You can create a speed dial for a phone number, e-mail address, or Web page address that is stored in Contacts.

1. On the Home screen, click **Start > Contacts**.
2. Click the contact for whom to create a speed dial.
3. Select the phone number, e-mail address, or Web page address for which to create a speed dial.
4. Click **Menu > Add to Speed Dial**.
5. In **Keypad assignment**, select the speed dial number to use.
6. Click **Done**.

Note

The number 1 is reserved for calling your voice mailbox.

Create a voice tag

You can create a voice tag for a phone number, e-mail address, or Web page address that is stored in Contacts.

1. On the Home screen, click **Start > Contacts**.
2. Click the contact for whom to create a voice tag.
3. Select the phone number, e-mail address, or Web page address for which to create a voice tag.
4. Click **Menu > Add Voice Tag**.
5. After the audio and visual cue, begin recording the voice tag.
6. When prompted, repeat the voice tag. The phone plays back the voice tag.

Delete an item from Call History

1. On the Home screen, click **Start > Call History**.
2. Select the item to delete.
3. Click **Menu > Delete**.

Tip

To delete all items in Call History, click **Start > Call History > Menu > Delete List**.

Delete a speed dial

1. On the Home screen, click **Start > Speed Dial**.
2. Select the speed dial to delete.
3. Click **Menu > Delete**.

Delete a voice tag

1. On the Home screen, click **Start > Speed Dial**.
2. Select the voice tag to delete.
3. Click **Menu > Delete**.

Dial the last number called

- On the Home screen, press TALK twice.

Find a contact from Call History

1. On the Home screen, click **Start > Call History**.
2. Select a call to or from the contact.
3. Click **Menu > Find Contact**.

Insert an international country code

To make an international call you must include a country code at the beginning of the dialing sequence for the phone number.

- Enter the country code, press and hold **0** until a plus (+) sign appears, and then enter the rest of the phone number.

Note

You can insert a plus (+) sign into a contact's phone number or dial it directly from the keypad.

Insert a manual pause in a dialing sequence

1. On the Home screen, click **Start > Contacts**.
2. Click the contact in whose phone number you want to insert a pause.
3. Select the phone number and click **Menu > Edit**.
4. Place the cursor where you want to insert the pause.
5. Click **Menu > Insert Wait**. The letter **w** appears where the manual pause will occur in the dialing sequence.
6. Click **Done**.

Note

To resume dialing after reaching a manual pause, press TALK.

Insert a three-second pause in a dialing sequence

1. On the Home screen, click **Start > Contacts**.
2. Click the contact in whose phone number you want to insert a pause.
3. Select the phone number and click **Menu > Edit**.
4. Place the cursor where you want to insert the pause.
5. Click **Menu > Insert Pause**. The letter **p** appears where the three-second pause will occur in the dialing sequence.
6. Click **Done**.

Make an emergency call

- Enter the emergency phone number for your location and press TALK.

Note

You can make calls to emergency service numbers under any circumstances.

You can make calls to emergency service numbers under any circumstances, even if you have locked the phone.

Make a call by entering a contact name

1. On the Home screen, begin entering the contact name.
2. When you see the contact name, select it and press TALK.

Make a call by entering a phone number

1. On the Home screen, begin entering the phone number.
2. Do one of the following:
 - If you see the number or contact name to call, select it and press TALK.
 - If you do not see the number or contact name, finish entering the number and press TALK.

Make a call from an open contact

1. On the Home screen, click **Start > Contacts**.
2. Click the contact to call.
3. Click the phone number to call.

Make a call from a hyperlink phone number

You can quickly dial a phone number from an e-mail or text message that contains a hyperlink phone number. A hyperlink phone number is underlined in the same manner as a Web site address.

- From a message containing a hyperlink phone number, select the phone number and press TALK.

Make a call from Call History

Call History displays calls you have made, received, and missed.

1. On the Home screen, click **Start > Call History**.
2. Select the name or phone number to call.
3. Press TALK.

Make a call from the contact list

1. On the Home screen, click **Start > Contacts**.
2. Select the contact, and press TALK.

Tip

If you have a long list of contacts, you can use a shortcut to find the contact you want. Enter the first few letters of the contact's name. When you do this, the phone searches through the contact list and displays the name. To call the contact, press TALK.

Make a call using a recently dialed phone number

1. On the Home screen, press TALK.
2. Select the name or phone number to call.
3. Press TALK.

Reset Call Timers

1. On the Home screen, click **Start > Call History**.
2. Click **Menu > View Timers**.
3. Click **Menu > Reset Timers**.
4. Click **Yes**. All of the call timers are set to zero (0), except for the **Lifetime calls** timer.

Send an e-mail message from Call History

To do this, you must have an e-mail address included in the contact information of the person you are sending an e-mail.

1. On the Home screen, click **Start** > **Call History**.
2. Select the contact you want to send an e-mail message to.
3. Click **Menu** > **E-mail** and select an e-mail account.
4. Compose the message and click **Send**.

Switch between phone lines

- On the Home screen, press and hold the # key to switch between phone lines. This feature is available if your phone supports two phone lines.

Silence the ring tone of an incoming call

- Press VOLUME until the ring is silenced. Then answer the call.

Use a speed dial

- On the Home screen, press and hold the number on the keypad that you have assigned as a speed dial for the phone number, e-mail address, or Web page. If the speed dial is two digits, press the first digit, and press and hold the second digit. The phone dials the phone number, opens a new e-mail message, or goes to the Web page.

Use a voice tag

1. On the Home screen, press and hold RECORD.
2. Say the word that you recorded as a voice tag. The phone plays back the voice tag and then dials the phone number, opens a new e-mail message, or goes to the Web page.
3. If the phone misinterprets the word, press END and start over.

View and edit a speed dial

1. On the Home screen, click **Start** > **Speed Dial**.
2. Click the speed dial and click **Edit**.
3. Make any changes and click **Done**.

View and edit a voice tag

1. On the Home screen, click **Start** > **Speed Dial**.
2. Click the voice tag and click **Edit**.
3. Make any changes and click **Done**.

View Call History

- On the Home screen, click **Start > Call History**.

Tip

To separately view missed calls, incoming calls, and outgoing calls, click **Menu > Filter**, and then click the type of calls to view.

View Call Timers

1. On the Home screen, click **Start > Call History**.
2. Click **Menu > View Timers**.

View details about a call

1. On the Home screen, click **Start > Call History**.
2. Click the call you want to view details for.

Answer a call by pressing any key

You can set your phone to answer by pressing any key.

1. On the Home screen, click **Start > Settings > Call Options**.
2. Select **Receive** and click **Done**.

Add a network

1. On the Home screen, click **Start > Settings > Phone > Networks**.
2. Click **Menu > Preferred Networks**.
3. Do one of the following:
 - Select the network checkbox(es) you want to add, and click **Done**.
 - If you don't see the network you want, click **Menu > Add** and select a network from the list.

Block incoming or outgoing calls

You will not be able to receive or make calls according to the options you choose.

1. On the Home screen, click **Start > Settings > Phone > Call Barring**.
2. Choose the calls you want to block, and click **Done**.

Configure caller ID

The selected callers will be able to view your name and phone number information when you call.

1. On the Home screen, click **Start > Settings > Phone > Caller ID**.

2. Choose the callers, and click **Done**.

Configure channels

1. On the Home screen, click **Start > Settings > Phone > Channels**.
2. Choose the options you want, and click **Done**.

Turn voice privacy on or off

1. On the Home screen, click **Start > Settings > Call Options**.
2. Select or clear **voice privacy**, and click **Done**.

Note

This option is available only if your network supports voice privacy.

Select TTY Mode

1. On the Home screen, click **Start > Settings > Call Options**.
2. Select **TTY mode (Full, Talk, Hear, Off)**, , and click **Done**.

Turn ERI Alert

1. On the Home screen, click **Start > Settings > Call Options**.
2. Select or clear **ERI Alert**, and click **Done**.

Turn ERI Banner

1. On the Home screen, click **Start > Settings > Call Options**.
2. Select or clear **ERI Banner**, and click **Done**.

Select Default Band

1. On the Home screen, click **Start > Settings > Connections > Wireless Manager**.
2. Click **Menu > Phone Settings > Default Band**.
3. Select **Default Band(Automatic A, Automatic B, Home Only)**, and click **Done**.

Select NAM Selection

1. On the Home screen, click **Start > Settings > Connections > Wireless Manager**.
2. Click **Menu > Phone Settings > Default Band**.
3. Select **NAM Selection(NAM 1, NAM 2)**, and click **Done**.

Display your phone number

- On the Home screen, click **Start > Settings > Help**.

Display your ESN

- On the Home screen, click **Start > Settings > Help**.

Display your S/W Version

- On the Home screen, click **Start > Settings > Help**.

Display your H/W Version

- On the Home screen, click **Start > Settings > Help**.

Display your PRL Version

- On the Home screen, click **Start > Settings > Help**.

Display your ERI Version

- On the Home screen, click **Start > Settings > Help**.

Change Location On/E911 Only

1. On the Home screen, click **Start > Settings > Call Options**.
2. Select **location**, and click **Done**.

5. Settings

Copy an image to your phone

1. Connect the phone to your PC.
2. On your PC, copy the image file you want. The file format must be .gif, .jpg, or .bmp.
3. In ActiveSync on your PC, click **Explore** and double-click **My Windows Mobile-Based Device**.
4. Do one of the following:
 - Double-click **My Documents**, double-click **My Pictures**, and paste the image file into that folder.
 - If you plan to use the image as your Home screen background, double-click **Application Data**, double-click **Home**, and paste the image into that folder.

Note

For best results, use images with the same screen resolution as your phone's screen

resolution, either 240 x 320 pixels, or 176 x 200 pixels, depending on the phone.

See also

Change the Home screen appearance

Copy a sound to your phone

After a sound file is located on your phone, you can use it for a ring tone, notification, or reminder. Sound files in either .wav, .mid, or .wma formats can be used.

1. Connect the phone to your PC using a USB connection.
2. On your PC, copy the sound file you want.
3. In ActiveSync on your PC, click **Explore** and double-click **My Windows Mobile-Based Device**.
4. Do one of the following:
 - To save the sound file on your phone, double-click **Application Data**, double-click **Sounds**, and paste the file into that folder.
 - To save the sound file on your storage card, double-click **Storage Card**, and paste the file into the folder you want.

See also

Specify the sound for an event

Change or turn sounds on or off

On the Home screen, click **Start > Settings > Sounds**.

Under **Keypad control**, select to the option you want, and click **Done**.

Change the current profile

1. On the Home screen, click **Profile [Type]**. Example: **Profile Normal**.
2. Click a new profile, and click **Done**.

Tip

You can also change the profile by using the Quick List. Press POWER briefly and click a profile.

Change the Home screen appearance

1. On the Home screen, click **Start > Settings > Home Screen**.
2. Under **Home screen layout**, **Color scheme**, and **Background image**, select the options you want, and click **Done**.

Change accessibility settings

1. On the Home screen, click **Start > Settings > Accessibility**.
2. Select your preference for the following:
 - **System font size** to set the size of the font that is displayed on the screen.
 - **Multipress time out** to set the length of time between keypresses when entering text in Multipress mode.
 - **Confirmation time out** to set the delay before an unconfirmed action times out.
 - **In-call alert volume** to set the volume of sounds that play when you are in a call.
3. Click **Done**.

Change power management settings

You can use Power Management to check the battery and configure settings that prolong battery life.

1. On the Home screen, click **Start > Settings > Power Management**.
2. Adjust the following:
3. In **Backlight time out on battery**, select the amount of time for the phone to be idle before the backlight turns off.
4. In **Backlight time out on AC**, select the amount of time for the phone to be idle before the backlight turns off when using AC power.
5. In **Display time out**, select the number of minutes for the phone to be idle before the screen turns off.
6. Click **Done**.

Tip

Main battery indicates the amount of battery life remaining.

Change regional settings

You can specify the language, locale, date and time style, as well as number and currency formatting options.

1. On the Home screen, click **Start > Settings > Regional Settings**.
2. In **Language**, select your preferred language.
3. In **Locale**, select the locale for the language you selected. The locale option automatically changes the format of the remaining options (such as date, time, and currency) according to the locale you specify.

4. Click **Done**.

Note

You must turn your phone off and on again for the changes to take effect.

Delete a certificate

1. On the Home screen, click **Start > Settings > Security > Certificates**.
2. Choose one of the following:
 - **Personal** to view the list of personal certificates.
 - **Root** to view the list of root certificates.
3. Select a certificate in the list.
4. Click **Menu > Delete**.

Important note

Deleting a root certificate can make it impossible to use Secure Sockets Layer (SSL) protocols, which help you to send personal information more securely.

Delete a sound

1. On the Home screen, click **Start > Settings > Sounds**.
2. Click **Menu > Delete Sounds**.
3. Select the sound to delete.
4. Click **Yes**.

Note

You can only delete sounds that you have added. You cannot delete sounds included with the phone.

Disable the phone lock

1. On the Home screen, click **Start > Settings > Security**.
2. Click **Disable Phone Lock**.
3. Enter the password, and click **Done**.

Note

After you have selected the time delay and created a password, you can enable the phone lock from the Quick List, without having to configure these settings again.

See also

Enable the phone lock

Edit a profile

1. On the Home screen, click **Profile [Type]**. Example: **Profile Normal**.

2. Select the profile to edit.
3. Click **Menu > Edit**.
4. Do one of the following:
 - Modify the settings, and click **Done**.
 - To cancel without saving changes, click **Cancel**.

Tip

To revert to the default profile settings, click **Menu > Reset to default**.

Enable the phone lock

1. On the Home screen, click **Start > Settings > Security > Enable Phone Lock**.
2. In **Lock phone after**, select the amount of time for the phone to be inactive before automatically locking.
3. Enter and confirm your password.
4. Click **Done**.

Important note

To ensure you can always make emergency calls at any time, do not begin your password with the digits of your local emergency number. To quickly lock the phone, press POWER briefly to display the Quick List, select **Device lock**, and click **Done**.

Enter or change your country and area codes

1. On the Home screen, click **Start > Settings > Phone > Call Options**.
2. In **Country code**, enter your country code.
3. In **Area code**, enter your area code.
4. Click **Done**.

Note

You may need to scroll to view these options.

Remove a program

Programs that come with the phone cannot be deleted.

1. On the Home screen, click **Start > Settings > Remove Programs**.
2. Scroll to the program to remove.
3. Click **Menu > Remove**.

Set the date and time

1. On the Home screen, click **Start > Settings > Clock & Alarm > Date and Time**.
2. In **Time Zone**, select your time zone.

3. In **Date**, edit the month, day, or year.
4. In **Time**, edit the hour, minute, and second.
5. Click **Done**.

Specify the idle time before the Home screen appears

1. On the Home screen, click **Start > Settings > Home Screen**.
2. In **Time out**, select the amount of time for the phone to be idle before the Home screen automatically appears, and click **Done**.

Specify the sound for an event

1. On the Home screen, click **Start > Settings > Sounds**.
2. Under an event, click a sound. Click **None** if you don't want to hear a sound.
3. Repeat for each event, and click **Done**.

Note: For ring tones, you can use sounds in either .wav, .mid, or .wma file format. For notifications or reminders, you can use .wav, or .mid.

Tip

When you select a sound, the sound plays. To hear it again, select **Menu > Play**.

Unlock your phone

1. On the Home screen, click **Unlock**.
2. Enter your password, and click **Done**.

See also

Quickly lock your phone

View a certificate

1. On the Home screen, click **Start > Settings > Security > Certificates**.
2. Choose one of the following:
 - **Personal** to view the list of personal certificates.
 - **Root** to view the list of root certificates.
3. Select the certificate you want to view.

View operating system information

- On the Home screen, click **Start > Settings > About**.

View settings list

1. On the Home screen, click **Start > Settings**.

2. To see more settings, click **More**.

View the list of profiles

- On the Home screen, click **Start > Settings > Profiles**.

Enter owner information

Entering and displaying owner information are best practices; they allow someone to return the phone to you in case it is lost.

1. On the Home screen, click **Start > Settings > Owner Information**.
2. Complete the following:
 - In **Name**, enter your name.
 - In **Telephone**, enter a number where you can be reached.
 - In **E-mail address**, enter your e-mail address.
 - In **Notes**, enter any other information you want to include.
3. Click **Done**.

Quickly lock your phone

1. Press **POWER** briefly to display the Quick List.
2. Select **Device lock**, and click **Done**.

Set the alarm

1. On the Home screen, click **Start > Settings > Clock & Alarm > Date and Time**.
2. In **Alarm**, choose one of the following:
 - **Off** to turn the alarm off.
 - **On** to turn the alarm on.
3. In **Alarm time**, enter the time for the alarm to go off.
4. Click **Done**.

Overview of error reporting

Error Reporting sends information needed by technical support groups to diagnose a program error for a device running Windows Mobile software. A text file is created whenever an error is detected, and can be delivered to support personnel if you choose to send it. If a program error occurs, Error Reporting starts automatically. The information Microsoft receives is used by programming groups at Microsoft. The data is used for quality control and will not be used for tracking individual users or installations for any marketing purpose.

With Error Reporting, the only data that is initially collected is technical data about the state of the program and your device when the error occurred. No documents (or any data contained in them) are intentionally sent with the report information. To ensure further security, the data that is collected is transmitted via a secure connection and is kept confidential and anonymous in a limited-access database. This approach is in keeping with the privacy regulations of the European Union (EU) as well as the Fair Information Practice Principles of the Federal Trade Commission. To view the Fair Information Practice Principles, visit the Federal Trade Commission Web site at www.ftc.gov/reports/privacy3/fairinfo.htm.

Turn on and off error reporting

1. On the Home screen, click **Start > Settings**.
2. Click **Error Reporting**.
3. Do one of the following:
 - To turn on error reporting, under **Error Reporting**, click **Enable**.
 - To turn off error reporting, under **Error Reporting**, click **Disable**.
4. Click **Done**.

6. Calendar

Schedule an appointment

1. On the Home screen, click **Start > Calendar**.
2. Click **Menu > New Appointment**.
3. Enter information about the appointment.

To schedule an all-day event, under **End time**, select **All day event**.

4. Click **Done**.

Note

All-day events do not occupy blocks of time in Calendar; instead, they appear in banners at the top of the calendar.

See also

Change the reminder time

Delete an appointment

1. On the Home screen, click **Start > Calendar**.
2. In Agenda view, select the appointment to delete.

3. Click **Menu > Delete Appointment**.
4. If the appointment is recurring, click **Yes** to delete the series, or click **No** to delete only the current occurrence.

Notes

When you delete an appointment in Calendar on your phone, it is also deleted on your PC the next time you synchronize. If the appointment has not been synchronized with a PC, it will be deleted only from the phone.

Calendar items can be deleted only from Agenda view or from an open calendar appointment. To delete from other views, open the appointment, and click **Menu > Delete**.

Tip

To cancel a deletion, press BACK.

Update an appointment

1. On the Home screen, click **Start > Calendar**.
2. Click the appointment and click **Edit**.
3. If the appointment is recurring, click **Yes** to edit only the current occurrence, or click **No** to edit the series.
4. Make your changes, and click **Done**.

View an appointment

1. On the Home screen, click **Start > Calendar**.
2. Click the appointment to view.

View appointments for the week

1. On the Home screen, click **Start > Calendar**.
2. Click **Menu > Week View**.

See also

Change the display of the work week

View today's agenda

1. On the Home screen, click **Start > Calendar**.
2. Click **Menu > Go to Today**.
3. From **Week** or **Month** view in Calendar, click **Menu > Agenda View**.

Tips

To view previous or approaching dates, scroll left or right, or click **Menu > Go to Date**.

To quickly view today's agenda, on the Home screen, click an upcoming appointment (if one is present).

View your agenda for a specific date

1. On the Home screen, click **Start > Calendar**.
2. Click **Menu > Go to Date**.
3. Enter the date to view, and click **Done**.

View your schedule for the month

1. On the Home screen, click **Start > Calendar**.
2. Click **Menu > Month View**.

Make an appointment recurring

1. On the Home screen, click **Start > Calendar**.
2. Click the appointment and click **Edit**.
3. Scroll to **Occurs** and click one of the recurrence options.
4. Click **Done**.

Show week numbers

1. On the Home screen, click **Start > Calendar**.
2. Click **Menu > Options**.
3. Scroll to **Month view** and select **Show week numbers**.
4. Click **Done**.

Note

In Week view, the week number appears at the top of the screen. In Month view, the week numbers appear along the left side of the screen.

Change the display of the work week

1. On the Home screen, click **Start > Calendar**.
2. Click **Menu > Options** and do one of the following:
 - To specify the first day of the week, in **First day of week**, click **Sunday** or **Monday**.
 - To specify the number of days you want to appear in a week, in **Week view**, click **5-day week**, **6-day week**, or **7-day week**.
3. Click **Done**.

Change the reminder time

By default, the reminder time is set 15 minutes prior to an appointment.

1. On the Home screen, click **Start > Calendar**.
2. Click **Menu > Options**.
3. Scroll to **Set reminders** and change the time.
4. Click **Done**.

7. Contacts

Beam a contact

1. On the Home screen, click **Start > Contacts**.
2. Select the contact to beam.
3. Click **Menu > Beam Contact**.
4. Scroll to the device to which you want to beam.
5. Do one of the following:
 - To beam using infrared, ensure that the infrared ports are unobstructed and within close range of each other.
 - To beam using Bluetooth, ensure that both Bluetooth radios are turned on and that Bluetooth is discoverable on the receiving device.
6. Click **Beam**.

Status information displays, indicating the name of the device to which the phone is beaming, and whether the beaming process is pending, finished, or was unsuccessful.

Call a contact from contact information

1. On the Home screen, click **Start > Contacts**.
2. Click the contact to call.
3. Scroll to the phone number to dial.
4. Press TALK.

Call a contact from the contact list

1. On the Home screen, click **Start > Contacts**.
2. Click the contact to call.
3. Press TALK. The contact's default phone number is dialed.

Tip

To call a phone number other than the default, click the contact, scroll to the number

you want to dial, and press TALK.

Create a new contact

1. On the Home screen, click **Start > Contacts > New**.
2. Enter information for the new contact.
3. Click **Done**.

Tips

If someone who isn't in your list of contacts calls you or sends you a message, you can create a contact from Call History or from the message by clicking **Menu > Save to Contacts**.

Tip

If someone who isn't in your list of contacts calls you or sends you a message, you can create a contact from Call History or from the message by clicking **Menu > Save to Contacts**.

Delete a contact

1. On the Home screen, click **Start > Contacts**.
2. Scroll to the contact to delete.
3. Click **Menu > Delete Contact**.

Filter the contact list

Contacts that have categories assigned are displayed in the list when you filter by category.

1. On the Home screen, click **Start > Contacts**.
2. Click **Menu > Filter**.
3. Click a category to filter.

Find a contact

1. On the Home screen, click **Start > Contacts**.
2. Begin entering the name or phone number of the contact until the contact is displayed. For example, to find "Sandra," enter 7, 2, 6, 3, 7, 2 because these numbers correspond to the letters for that name.

Send an e-mail to a contact

1. On the Home screen, click **Start > Contacts**.
2. Click the contact.

3. Click the e-mail address.
4. Select the e-mail account to use.
5. Enter a subject, compose your message, and then click **Send**.

Send a text message to a contact

1. On the Home screen, click **Start > Contacts**.
2. Click the contact, and click **Menu > Send Text Message**.
3. Compose your message, and click **Send**.

View and edit a contact information

1. On the Home screen, click **Start > Contacts**.
2. Click the contact whose information you want to view.
3. To edit the information, click **Menu > Edit**.
4. When finished making changes, click **Done**.

Add a picture to a contact

1. On the Home screen, click **Start > Contacts**.
2. Click the contact.
3. Click **Menu > Edit**.
4. Click **Picture**.
5. Do one of the following:
 - Click the picture you want to add.
 - Click **Camera** and take a picture.

Assign a category to a contact

You can use categories to help you organize and group your contacts.

1. On the Home screen, click **Start > Contacts**.
2. Click the contact.
3. Click **Menu > Edit**.
4. Click **Categories**.
5. Select the category you want and click **Done**.

Note

Categories are shared between your appointments, contacts, and tasks. A category will remain in the list of shared categories as long as it is assigned to at least one appointment, contact, or task.

Assign a ring tone to a contact

To easily identify who is calling you by the ring tone, you can assign a custom ring tone to each contact.

1. On the Home screen, click **Start > Contacts**.
2. Click the contact you want to assign a ring tone to.
3. Click **Menu > Edit**.
4. Click **Custom ring tone** and select the ring tone you want.
5. Click **Done**.

Remove a picture from a contact

1. On the Home screen, click **Start > Contacts**.
2. Click the contact.
3. Click **Menu > Edit**.
4. Click **Menu > Remove Picture**.

Find a contact online

In addition to having contacts on your device, you can also access contact information from your organization's Global Address List (GAL). This enables you to quickly add a message recipient from a GAL. Access to the GAL is available if your organization is running Microsoft Exchange Server 2003 SP2 and you have completed your first synchronization with Exchange Server.

1. Synchronize with Exchange Server if you have never done so.
2. Click **Start > Contacts > Menu > View By > Name**.
3. Do either of the following:
 - In Contacts, click **Menu > Find Online**.
 - In a new message, in the **To** box, click **Menu > Add Recipient > Menu > Find Online**.
4. Enter the contact name and click **Find**.

Notes

Your device must be set up with a data connection.

You can search on the following information as long as that information is included in your organization's GAL.

- First name
- Last name
- E-mail name
- Display name

- E-mail address
- Office location

7. Internet Explorer Mobile

Add a Web page to the Favorites list

1. On the Home screen, click **Start > Internet Explorer**.
2. To go to the page you want to add, click **Menu > Address Bar**, enter the address, and click **Go**.
3. Click **Menu > Add to Favorites**.
4. Confirm or change the name and Web page address.
5. In **Folder**, select a folder for this favorite.
6. Click **Add**.

Tip

A quick way to add favorites to your phone is to synchronize with your PC using ActiveSync. For more information, see ActiveSync Help on your PC.

See also

Go to a Web page

Change connection options

1. On the Home screen, click **Start > Internet Explorer**.
2. Click **Menu > Tools > Options**.
3. Click **Connections**.
4. Do one of the following:
 - To allow Internet Explorer to select network settings, select **Automatically detect settings**.
 - To manually choose network settings, in **Select network**, select the network to which Internet Explorer should connect.
5. Click **Done**.

Change Web page display options

1. On the Home screen, click **Start > Internet Explorer**.
2. Click **Menu > View**.
3. Select one of the following:
 - **One Column**. Arranges the content into one column that is as wide as the screen. This means that you will rarely have to scroll horizontally.

- **Default.** Maintains a layout similar to what you see on a desktop computer, but makes items smaller and arranges the content so that you can see most of it without having to scroll horizontally.
- **Desktop.** Keeps the same layout and size as on a desktop computer, which will require both horizontal and vertical scrolling.

Clear history, cookies, or temporary files

1. On the Home screen, click **Start > Internet Explorer**.
2. Click **Menu > Tools > Options**.
3. Click **Memory**.
4. Select the type of memory to clear.
5. Click **Clear**, click **Yes**, and then click **Done**.

Create a new folder in Favorites

1. On the Home screen, click **Start > Internet Explorer**.
2. Click **Favorites**.
3. Click **Menu > Add Folder**.
4. In **Name**, enter a name for the folder.
5. Click **Add**.

Delete a favorite

1. On the Home screen, click **Start > Internet Explorer**.
2. Click **Favorites**.
3. Select the favorite to delete.
4. Click **Menu > Delete**.
5. Click **Yes** to confirm the deletion.

Disconnect from the Internet

- Press **END**.

Edit a favorite

1. On the Home screen, click **Start > Internet Explorer**.
2. Click **Favorites**.
3. Select the favorite to edit.
4. Click **Menu > Edit**.
5. Make your changes and click **Done**.

Go to a link

On the Home screen, click **Start > Internet Explorer**.

Scroll vertically or horizontally to see all available links.

Click the link.

Go to a Web page

1. On the Home screen, click **Start > Internet Explorer**.
2. Click **Menu > Address Bar**.
3. Enter the address, and click **Go**.

Go to a Web page in the History list

1. On the Home screen, click **Start > Internet Explorer**.
2. Click **Menu > History**.
3. Select the Web page, and click **Go**.

Note

To return to the Web page you were viewing, press **BACK**.

Open Internet Explorer

- On the Home screen, click **Start > Internet Explorer**.

Refresh a Web page

1. On the Home screen, click **Start > Internet Explorer**.
2. If necessary, select the Web page in your Favorites or History list, and click **Go**.
3. Click **Menu > Refresh**.

Return to a Web page you visited in the same session

- On a Web page, press **BACK** repeatedly until the page appears.

View a favorite

1. On the Home screen, click **Start > Internet Explorer**.
2. Click **Favorites**.
3. Select a favorite, and click **Go**.

View a list of recently-visited Web pages

1. On the Home screen, click **Start > Internet Explorer**.

2. Click **Menu > History**.

Move a favorite to a folder

1. On the Home screen, click **Start > Internet Explorer**.
2. Click **Favorites**.
3. Select the favorite to move.
4. Click **Menu > Edit**.
5. Under **Folder**, scroll to the folder to which you want to move the favorite.
6. Click **Done**.

Change the size of text on Web pages

1. On the Home screen, click **Start > Internet Explorer**.
2. Click **Menu > Zoom** and select the size you want.

Show or hide pictures on Web pages

1. On the Home screen, click **Start > Internet Explorer**.
2. Click **Menu > View > Show Pictures**.

A check mark next to **Show Pictures** indicates that pictures will be displayed on Web pages.

View a page in full screen mode

1. On the Home screen, click **Start > Internet Explorer**.
2. Click **Menu > View > Full Screen**.

Tip

To exit full screen mode, press either **SOFT KEY**, and then click **Menu > View > Full Screen** to cancel the selection.

Send a link via e-mail

1. On the Home screen, click **Start > Internet Explorer**.
2. Go to the Web page you want to send.
3. Click **Menu > Tools > Send Link via E-mail**.
4. Select **Text Messages** or **Outlook E-mail**.

A new message is created with the page address inserted in the message body.

See also

Go to a Web page

Go to a Web page in the History list_

Adjust the scrolling speed

1. On the Home screen, click **Start > Internet Explorer**.
2. Open a Web page.
3. Do one of the following:
 - Press NAVIGATION to scroll from link to link on the page.
 - Press and hold NAVIGATION for more than three seconds to accelerate scrolling.

See also

- Change Web page display options

8. Messaging

Be notified when a text message is delivered

1. Before sending a text message, click **Menu > Message Options**.
2. Select **Request message delivery notification**.
3. Click **Done**. When your message is delivered, you receive a notification on your phone.
1. Before sending a text message, click **Menu > Message Options**.
2. Select **Request message delivery notification**.
3. Click **Done**. When your message is delivered, you receive a notification on your phone.

Change messaging account options

1. On the Home screen, click **Start > Messaging**, and select an account.
2. Click **Menu > Options**.
3. Select the type of options to change.
4. Click **Done**.

Change how the message list displays

You can change the order in which messages are displayed and show the date and time that messages were received.

1. On the Home screen, click **Start > Messaging**, and select an account.
2. Click **Menu > Options > Display**.
3. Change the display options and click **Done**.

Create a message from a contact card

1. On the Home screen, click **Start** > **Contacts**.
2. Click the contact.
3. Click the messaging address or phone number to use.
4. Select the account to use and click **Select**.
5. A new message opens ready for you to complete and send.

Tip

To cancel a message, click **Menu** > **Cancel Message**.

Create a text message

1. On the Home screen, click **Start** > **Messaging** > **Text Messages**.
2. Click **New**.
3. In **To**, enter text message numbers. Insert a semicolon (;) between multiple text message numbers.
4. Click **Send**. Text messages are sent immediately.

Tips

You can quickly enter text message numbers from your contact cards. In **To**, press ENTER and select a recipient from the list. Then, select the recipient's phone number.

To cancel a message, click **Menu** > **Cancel Message**.

1. On the Home screen, click **Start** > **Messaging** > **Text Messages**.
2. Click **New**.
3. In **To**, enter text message numbers. Insert a semicolon (;) between multiple text message numbers.
4. Click **Send**. Text messages are sent immediately.

Tips

You can quickly enter text message numbers from your contact cards. In **To**, press ENTER and select a recipient from the list. Then, select the recipient's phone number.

To cancel a message, click **Menu** > **Cancel Message**.

Create an e-mail message

1. On the Home screen, click **Start** > **Messaging**.
2. Select an e-mail account.
3. Click **New**.
4. In **To**, **Cc**, and/or **Bcc**, enter recipient e-mail addresses. Insert a semicolon (;) between multiple addresses.

5. In **Subj**, enter a subject.
6. Enter a message.
7. Click **Send**. E-mail messages are stored in Outbox and are sent to recipients the next time you synchronize or connect to your e-mail server and send and receive mail.

Tips

You can quickly enter e-mail addresses from your contact cards. In **To**, press ENTER and select a recipient from the list. Then, select the recipient's e-mail address.

To set the priority, click **Menu > Message Options**.

To cancel a message, click **Menu > Cancel Message**.

Create and add a signature to messages

For each account in Messaging, you can specify a signature to be automatically inserted into messages that you send.

1. On the Home screen, click **Start > Messaging** and select an account.
2. Click **Menu > Options > Signatures**.
3. Scroll to the account for which you are creating the signature.
4. Select **Use signature with this account**.
5. To insert a signature in every message you send, select **Include when replying and forwarding**. Otherwise, a signature is inserted only in new messages.
6. Click the **Signature** box, enter your signature, and click **Done**.

Delete a message

1. On the Home screen, click **Start > Messaging** and select an account.
2. Select the message to delete.
3. Click **Menu > Delete**.

Note

Messages deleted from the Outlook E-mail account will be deleted from Outlook on your PC or Exchange Server the next time you synchronize.

Delete all text messages

1. On the Home screen, click **Start > Messaging > Text Messages**.
2. Click **Menu > Folders**.
3. Click **Menu > Show All Folders**.
4. Select the folder with the text messages you want to delete.
5. Click **Menu > Clear Text Messages**.

1. On the Home screen, click **Start > Messaging > Text Messages**.
2. Click **Menu > Folders**.
3. Click **Menu > Show All Folders**.
4. Select the folder with the text messages you want to delete.
5. Click **Menu > Clear Text Messages**.

Delete an account

1. On the Home screen, click **Start > Messaging** and select an account.
2. Click **Menu > Options > Account Options**.
3. Select the account to delete.
4. Click **Menu > Delete**.

Note

You cannot delete your Text Messages or Outlook E-mail accounts.

Download a complete e-mail message

1. On the Home screen, click **Start > Messaging** and select an account.
2. Select the message to download.
3. Click **Menu > Download Message**. The complete message is retrieved the next time you synchronize or connect to your e-mail server and send and receive e-mail.

Download an attachment

- In an open message with an attachment to download, click the attachment. The attachment is downloaded the next time you synchronize or connect to your e-mail server and send and receive e-mail.

Note

If there are multiple attachments in the message, all attachments are downloaded.

Edit predefined text

You can edit the predefined text included with the phone to create words or phrases that you frequently use in messages.

1. On the Home screen, click **Start > Messaging** and select an account.
2. Click **New** and scroll to the body of the message.
3. Click **Menu > My Text > Menu > Edit My Text**.
4. Select the text to edit.
5. Edit the text and click **Done**.

Empty the Deleted Items folder

1. On the Home screen, click **Start > Messaging** and select an account.
2. Click **Menu > Folders > Deleted Items**.
3. Click **Menu > Empty Folder**.

Forward a message

1. From an open message, click **Menu > Forward**.
2. Enter a message in the message area.
3. Click **Send**.

Note

If you are forwarding e-mail from the Outlook E-mail account, you will send less data if you do not edit the original message. This may reduce data transfer costs based on your rate plan.

Add a voice recording to an e-mail message

Inserting a voice recording is useful when you want to verbally explain information that is contained in the message.

1. In the message area of an e-mail message, click **Menu > Insert > Voice Note**.
2. Click **Record** and start speaking into the phone's microphone.
3. When finished speaking, click **Stop**.
4. Click **Done**.

Insert predefined text into a message

To save time when entering text, you can insert predefined text into messages.

1. On the Home screen, click **Start > Messaging**.
2. Select an account and click **New**.
3. Click **Menu > My Text**.
4. Click the text you want to insert.

Tip

Quickly insert text by entering its associated number.

Mark a folder for synchronization

When you synchronize your Outlook E-mail account with your PC, the same Inbox folders that are in Outlook on your PC are created on your phone.

1. On the Home screen, click **Start > Messaging > Outlook E-Mail**.

2. Click **Menu > Folders**.
3. Click **Menu > Show All Folders**.
4. Click **Menu > Manage Folders**.
5. Select a folder to synchronize and click **Sync**.
6. Click **Done**. The next time you synchronize, the folder(s) that you marked on your phone are synchronized with the corresponding folders in Outlook on your PC.

Mark a message as Read or Unread

1. On the Home screen, click **Start > Messaging** and select an account.
2. Select the message to mark.
3. Click **Menu**.
4. Click **Mark as Read** or **Mark as Unread**. The message display is changed to reflect its new status: normal text for read messages and bold text for unread messages. When you synchronize or send and receive e-mail, the message is displayed as read or unread in all locations.

Move a message to a different folder

1. On the Home screen, click **Start > Messaging** and select an account.
2. Scroll to the message to move.
3. Click **Menu > Move**.
4. Click the folder into which to move the message.

Tip

You can move an open message in the same manner, by clicking **Menu > Move**.

Open a message

1. On the Home screen, click **Start > Messaging** and select an account.
2. Select the message to open and press ENTER.
3. To return to the message list, press BACK.

Tips

To open the next message in the list from within an open message, press NAVIGATION right; to open the previous message in the list, press NAVIGATION left.

To create a contact card for the sender, click **Menu > Save to Contacts**.

Quickly move between accounts

Do one of the following:

1. If you have an account open, you can quickly switch to another account by pressing NAVIGATION right or left.
2. Click **Menu > Switch Accounts**.

Send a message draft

1. On the Home screen, click **Start > Messaging** and select an account.
2. Click **Menu > Folders**.
3. Click **Drafts** and click the draft to open it.
4. When you have finished composing the message, click **Send**.

Reply to a message

1. From an open message, click **Menu > Reply** or **Reply All**.
2. Enter a message in the message area.
3. Click **Send**.

If you are replying to an e-mail in the Outlook E-mail account, you will send less data if you do not edit the original message. This may reduce data transfer costs based on your rate plan.

Respond to a meeting request

You can receive and respond to Outlook meeting requests on your phone in a similar manner as you do in Outlook on your PC.

1. On the Home screen, click **Start > Messaging**, and select an account.
2. Click the meeting request and respond to it as follows:
 - To accept the meeting request and insert the meeting into your calendar, click **Menu > Accept**.
 - To decline the meeting request, click **Menu > Decline**.
 - To tentatively accept the meeting request and insert a tentative meeting into your calendar, click **Menu > Tentative**.

Note

Your response is sent back to the meeting organizer the next time you synchronize.

Save a draft of a message

You can save a draft of a message that you are composing to finish and send later.

- While in a message you are composing, click **Menu > Save to Drafts**. A draft of the message is stored in the Drafts folder of the account you are in.

Send and receive Internet e-mail messages

1. On the Home screen, click **Start > Messaging**.
2. Select the Internet e-mail account for which you want to send and receive messages.
3. Click **Menu > Send/Receive**. The phone connects to your Internet e-mail server and sends and receives your messages.

Note

To stop this process, click **Menu > Stop Send/Receive**.

Set up an Internet e-mail account automatically

1. On the **Home** screen, click **Start > Messaging**, and select an account.
2. Click **Menu > Options > New Account**.
3. In **Your name**, enter your display name for e-mail messages.
4. In **E-mail address**, enter the e-mail address for this account.
5. Select **Attempt to obtain e-mail settings from the Internet** and click **Next**.

Note

If the account is set up successfully, you will be prompted to send and receive e-mail. If not, you must click **Next** and set up the account manually.

Set up an Internet e-mail account manually

Before you set up your Internet e-mail account, ensure that you have the necessary information.

| Setting | Description |
|----------------------|--|
| User name | Usually the first part of your e-mail address, which appears before the at sign (@). |
| Password | Choose a strong password. You will have the option to save your password, so that you do not need to enter it each time you connect to your e-mail server. |
| Domain | The domain name. This may be required. |
| Server type | The type of e-mail server that hosts your mailbox (POP3 or IMAP4). |
| Account name | A name for this account. You must use a different name for each account that you set up. |
| Network | The type of network your e-mail server connects to. |
| Incoming mail server | The name of your e-mail server (POP3 or IMAP4). |
| Require SSL | Select this to ensure you always receive e-mail for this |

| | |
|--|--|
| connection | account using an SSL connection. This enables you to receive personal information more securely. Please note that if you select this and your ISP does not support an SSL connection, you will not be able to connect to receive e-mail. |
| Outgoing mail server | The name of your outgoing e-mail server (SMTP). |
| Outgoing server requires authentication | Your outgoing e-mail server (SMTP) may require authentication. Note: Your user name and password from above will be used. |
| Outgoing server settings | Your outgoing e-mail server may require different authentication settings than your incoming e-mail server. |
| Use different user name for outgoing server | A check box that lets you enter separate settings for your outgoing e-mail server. |
| User name | Your user name for the outgoing e-mail server. |
| Password | Your password for the outgoing e-mail server. |
| Domain | The domain name of the outgoing e-mail server. |
| Require SSL connection (Outgoing mail server only) | A connection that enables you to send personal information more securely. Note that if you select this and your ISP does not support an SSL connection, you will not be able to send e-mail. |

Now you're ready to set up your account.

1. On the Home screen, click **Start > Messaging**, and select an account.
2. Click **Menu > Options > New Account**.
3. In **Your name**, enter your display name for e-mail messages.
4. In **E-mail address**, enter the e-mail address for this account.
5. Click **Next**.
6. Enter the information above as appropriate until setup is complete, and click **Finish**.

Caution

If you save your password and then lose your phone, someone finding your phone might be able to gain access to your e-mail.

Specify the language for reading a message

1. From an open message, click **Menu > Languages**.
2. In **E-mail message language**, scroll to the language.
3. Click **Done**. The message is displayed using the appropriate characters for the

selected language.

Stop adding a signature to messages

1. On the Home screen, click **Start > Messaging**, and select an account.
2. Click **Menu > Options > Signatures**.
3. If necessary, scroll right or left to switch to the account that is using the signature.
4. Clear **Use signature with this account** and click **Done**. A signature is no longer inserted in messages that you send from this account.

View an attachment

- In an open message containing a downloaded attachment, click the attachment.

Note

You can view attachments only for file types that are supported by the phone.

View message folder contents

1. On the Home screen, click **Start > Messaging**, and select an account.
2. Click **Menu > Folders**.
3. Click the folder to view.
4. To return to the message list view of the Inbox folder, click **Menu > Folders > Inbox**.

Tip

To view all Outlook E-mail folders, including those not marked for synchronization, click **Menu > Show All Folders**.

View the Inbox message list

- On the Home screen, click **Start > Messaging**, and select an account. The Inbox message list displays your received messages.

Tip

To quickly view new messages, click the message notification area on the Home screen.

View the list of accounts

- On the Home screen, click **Start > Messaging**.

The list of accounts displays with the number of unread messages in the Inbox of each account shown in parentheses.

Tip

You can open an account by selecting it in the list.

What is SSL?

Secure Sockets Layer (SSL) is a security protocol that enables you to send personal information in a more secure manner over the Internet.

When you send a message from an account that you have with an Internet service provider (ISP) or from an account that you access using a VPN server connection (typically a work account), Messaging always tries to use an SSL connection. However, sometimes the e-mail server on the other end doesn't support SSL, so in order to send the message, it is sent without an SSL connection.

To ensure that your e-mail is always sent using an SSL connection or not at all, select **Require SSL connection** when you set up your e-mail account.

Add a picture to an e-mail message

1. In the message area of an e-mail message, click **Menu > Insert > Picture**.
2. Click the picture you want to add.

Overview of e-mail security

You can help prevent impersonation, tampering, and eavesdropping when sending e-mail messages from your Outlook E-mail account by using Secure Multipurpose Internet Mail Extensions (S/MIME) digital signatures and encryption.

A signature helps prevent impersonation and tampering. Impersonation occurs when a hacker sends e-mail messages and pretends to be someone else. Tampering occurs when a hacker intercepts your e-mail messages and changes the message without the recipient's knowledge.

Signing a message applies the sender's certificate (and public key) to the message. This proves to the recipient that the message is from the sender and not from an imposter.

Encryption helps prevent eavesdropping, which occurs when a hacker intercepts and reads your e-mail messages. Using a cryptographic message format such as S/MIME for encryption helps improve e-mail privacy because it converts plain, readable text of the message into cipher (scrambled) text. The sender's messaging program uses the recipient's public key to encrypt (lock) the e-mail message and attachments. Only the recipient who has the private key that matches the public key you used to encrypt the message can decipher (unscramble) the message.

A certificate is a digital means of proving your identity. When you send a digitally signed message, you are sending your certificate and public key. Certificates can

expire or be revoked.

Note

S/MIME encryption and digital signatures for Windows Mobile-based devices are available only with Exchange Server 2003 Service Pack 2 or a later version that supports S/MIME. If you aren't using one of these products, or have not yet synchronized, these options are unavailable.

Encrypt a message

Encrypting a message protects the privacy of the message by converting it from plain, readable text into cipher (scrambled) text. Only the recipient who has the private key that matches the public key you used to encrypt the message can decipher the message. You can encrypt a message without a certificate, however, to read an encrypted message you need a valid certificate for decrypting e-mail messages.

1. In the message list, click **Menu > Switch Accounts > Outlook E-mail**.
2. Click **New**.
3. Click **Menu > Message Options**.
4. Select **Encrypt message** and click **Done**.

Note

S/MIME encryption and digital signatures for Windows Mobile-based devices are available only with Exchange Server 2003 Service Pack 2 or a later version that supports S/MIME. If you aren't using one of these products, or have not yet synchronized, these options are unavailable.

Digitally sign a message

Digitally signing a message applies your certificate with the public key to the message. This proves to the recipient that the message is from you and not from an imposter, and that the message has not been altered.

1. In the message list, click **Menu > Switch Accounts > Outlook E-mail**.
2. Click **New**.
3. Click **Menu > Message Options**.
4. Select **Sign message** and click **Done**.

Note

S/MIME encryption and digital signatures for Windows Mobile-based devices are available only with Exchange Server 2003 Service Pack 2 or a later version that supports S/MIME. If you aren't using one of these products, or have not yet synchronized, these options are unavailable.

Verify the digital signature on a signed message you receive

1. Open the message that has been digitally signed.
2. At the top of the message, click **View Signature Status**.
3. Click **Menu > Check Certificate**.

Notes

There can be several reasons why a digital signature is not valid. For example, the sender's certificate may have expired, it may have been revoked by the certificate authority, or the server that verifies the certificate is unavailable. Contact the sender to report the problem.

S/MIME encryption and digital signatures for Windows Mobile-based devices are available only with Exchange Server 2003 Service Pack 2 or a later version that supports S/MIME. If you aren't using one of these products, or have not yet synchronized, these options are unavailable.

9. Modem

Activate the modem link

1. On the Home screen, click **Start > Accessories > Modem Link**.
2. Click **Menu**, and click **Activate**.
3. Click **Done**.

Deactivate the modem link

1. On the Home screen, click **Start > Accessories > Modem Link**.
2. Click **Menu**, and click **Deactivate**.
3. Click **Done**.

Note

Failing to deactivate the modem link when you are finished using it might result in problems with using ActiveSync in the same session.

Set up a serial port modem connection

Ensure that your phone is not connected to another device.

1. On the Home screen, click **Start > Accessories > Modem Link**.
2. In **Connection**, click **Serial (COM1)**.
3. Click **Menu**, and click **Activate**.

4. Click **Done**.

Note

The default baud rate is set for 115,200. Do not change this default unless the port speed of the phone or computer requires you to do so.

Set up an infrared or USB modem connection

Ensure that your phone is not connected to another device.

1. On the Home screen, click **Start > Accessories > Modem Link**.
2. In **Connection**, choose **USB** or **IrCOMM**.
3. Click **Menu**, and then click **Activate**.
4. Click **Done**.

10. Pictures

Create a Pictures folder

1. On the Home screen, click **Start > Pictures & Videos**.
2. Click **Menu > Edit > New Folder**.

Edit a picture

1. On the Home screen, click **Start > Pictures & Videos**.
2. Select the picture to edit, and click **View**.
3. Click **Menu > Edit**, and do any of the following:
 - To rotate a picture 90 degrees counterclockwise, click **Menu > Rotate**.
 - To crop a picture, click **Menu > Crop**. Then, position the selection cursor to mark the upper left corner of the picture, click **Next**, and then position the cursor to mark the lower right corner of the picture. Click **Finish** to see the cropped picture.
 - To auto correct a picture, click **Menu > Auto Correct**.
4. Click **Done**.

Tips

To undo an edit, click **Menu > Undo**.

To cancel all unsaved edits made to the picture, click **Menu > Cancel**.

View pictures as a slide show

1. On the Home screen, click **Start > Pictures & Videos**.

2. Click **Menu > Play Slide Show**.

Tips

To stop the slide show, click to display the **Slide Show** toolbar and click the Close button. You can also pause the slide show and rotate the view using the toolbar.

To move forward or backward through the slides, press NAVIGATION right or left.

Set a picture as the Home screen

1. On the Home screen, click **Start > Pictures & Videos**.
2. Select the picture to set as the background.
3. Click **Menu > Use as Home Screen**.
4. Use NAVIGATION to select the portion of the picture you want to use, and click **Next**.
5. Under **Adjust the transparency**, select a higher percentage for a more transparent picture or a lower percentage for a more opaque picture.
6. Click **Finish**.

Send a picture

1. On the Home screen, click **Start > Pictures & Videos**.
2. Select the picture to send.
3. Click **Menu > Send**.
4. Select the account to use and click **Select**.

A new message is created with the picture attached.

5. Enter the recipient name and subject, and click **Send**.

The message will be sent the next time you synchronize your phone with your PC.

Save a copy of a picture

1. On the Home screen, click **Start > Pictures & Videos**.
2. Click the picture to save and click **Menu > Edit**.
3. Click **Menu > Save As**.
4. Enter a name for the picture and click **Done**.

Tip

To cancel all unsaved changes, click **Menu > Cancel**.

View pictures on your phone

1. On the Home screen, click **Start > Pictures & Videos**.
2. Select the picture to view and click **View**.

Tip

To view pictures located on a storage card, click **Start > Pictures & Videos**. Click **Menu > Storage Card**. (You may need to scroll to view this option.)

Overview of Pictures And Videos

Use the Pictures & Videos program to take, view, and edit pictures as well as record and launch video clips stored on your device or on a storage card. You can also send pictures and video clips to others, or set a picture as the background on the Home screen. You can see your pictures individually, as thumbnails, or as part of a slide show. You can edit your pictures by cropping, rotating, and adjusting the brightness and contrast.

Select video quality

You can specify the quality (video resolution and sound fidelity) and size of the video clips you record.

1. On the Home screen, click **Start > Pictures & Videos > Camera**.
2. Click **Menu > Video**.
3. Click **Menu > Quality**, and then select the setting you want.

Note

Video clips of higher quality require more memory.

Take pictures using a timer

Using the timer, you can be in the picture you take. Just place the phone on a stable support and press the camera button, then get into position.

1. On the Home screen, click **Start > Pictures & Videos > Camera**.
2. Click **Menu > Mode > Timer**.
3. Press ENTER.

After the timer interval, the picture is taken and automatically saved to the default storage location.

Tip

1. Take a test picture to find out how long the timer runs.

Note

If your device has a camera button, you can press it to take a picture.

Take pictures using burst mode

Burst mode is a way to take a series of quick pictures (approximately one or two per

second). The pictures are saved to the **My Pictures** folder.

1. On the Home screen, click **Start > Pictures & Videos > Camera**.
2. Click **Menu > Mode > Burst**.
3. Press ENTER.

Tip

1. Take a test burst to find out how many pictures are taken in a burst.

Note

To stop a burst of pictures before all pictures have been taken, close Camera.

If your device has a camera button, you can press it to take pictures in a burst.

Pause or resume video recording

While recording a video clip, you can pause the recording and resume it later.

1. On the Home screen, click **Start > Pictures & Videos > Camera**.
2. Click **Menu > Video**.
3. Press ENTER to begin recording.
4. Click **Pause** to pause the recording.
5. Click **Resume** to resume the recording.
6. Click **Stop** to end the recording.

Note

If Camera goes on standby while the recording is paused, the recording is stopped and the video clip is saved.

Adjust pictures and video for lighting conditions

White balance settings optimize pictures and video clips for the type of ambient light. If you are not sure what to select, try the Automatic setting.

1. On the Home screen, click **Start > Pictures & Videos > Camera**.
2. Click **Menu > Video**.
3. Click **Menu > White Balance**.
4. Select a white balance setting that matches the available light source.

Select where pictures are saved

You can set the default location where pictures are saved. If you select main memory, pictures are saved to permanent storage on your device, which may require that you consider the storage needs of other programs.

1. On the Home screen, click **Start > Pictures & Videos**.
2. Click **Menu > Options > Camera** tab.

3. In the **Save files to** box, select **Main memory** or **Storage Card**.

See also

Save a copy of a picture

11. Tasks

Change a completed task to incomplete

1. On the Home screen, click **Start > Tasks**.
2. Select the task, and click **Activate**.

Create a task

1. On the Home screen, click **Start > Tasks**.
2. In the **Enter new task here** box, enter the task name and press ENTER.

Notes

You can synchronize information on your phone with your PC to keep your task list up to date in both locations.

If you create a new task with a reminder on your PC and then synchronize tasks with your phone, the reminder will play at the time it was set on your PC.

Delete a task

1. On the Home screen, click **Start > Tasks**.
2. Select the task, and click **Menu > Delete Task**.

Mark a task as complete

1. On the Home screen, click **Start > Tasks**.
2. Select the task, and click **Complete**.

Locate a task

1. On the Home screen, click **Start > Tasks**.
2. In the task list, do one of the following:
 - To sort the list, click **Menu > Sort by**, and click a sort option.
 - To filter the list by category, click **Menu > Filter**, and click the category you want displayed.

Note

Categories only appear in Tasks that are synchronized with your PC.

Tip

To filter your tasks further, click **Active Tasks** or **Completed Tasks**.

12. Calculator

Use the calculator

Perform standard mathematical operations such as addition, subtraction, multiplication, and division.

1. On the **Home** screen, click **Start > Accessories > Calculator**.
2. Enter a number using the keypad.
3. Click **Options**, click the type of calculation to perform, and enter another number.
4. Click **Options > Equals** to perform the calculation.

Tips

Press ***** to enter a decimal.

Use **NAVIGATION** to display the available mathematical symbols: up for plus (+), down for minus (-), left for division (/), and right for multiplication (x).

You can also press the **#** key to cycle through the operators to perform a calculation.

Press **BACK** to clear last digit entered.

Click **Clear** to clear the display.

13. Solitaire

Move cards

A number or character is displayed above each card stack.

1. On the keypad, press the number or character above the card you want to move, and then press the number or character above the stack to which you want to move the card.
2. To move a card up to one of the four stacks in the right-hand corner of the screen, press the number above the card in the lower stack, and then press **NAVIGATION** up.

Play Solitaire

1. Move any aces on the seven stacks to the four card spaces at the top of the screen, and then make any other available plays.

2. When you have made all available plays, click **Draw** to turn over cards.

Note

The top card that is face up on the deck is always available for play.

Start a game of Solitaire

1. On the Home screen, click **Start > Games > Solitaire**.

Start a new game

- When you have finished playing a game, start a new one by clicking **Menu > New Game**.

14. Bubble Breaker

Overview of Bubble Breaker

Bubble Breaker is easy to learn, yet difficult to master. The objective is to align similar bubbles to form large blocks of bubbles before bursting them. The more bubbles you have in the block before they are burst, the greater number of points you will receive. To burst a bubble, the bubble must be connected to other similar bubbles on the playing board. If you click a bubble that is connected, those connected bubbles will be highlighted and a text bubble will pop up, displaying that block's potential bubble points. Click the selection again to burst the bubbles.

Breaker Bonus

If you manage to leave fewer than five bubbles on the board you will be rewarded with more points at the conclusion of the game.

Undo

Moves in Bubble Breaker can be undone. To take back the last move you made, click **Menu > Undo**.

Start Bubble Breaker

- On the Home screen, click **Start > Games > Bubble Breaker**.

Set Bubble Breaker options

Bubble Breaker allows you to vary your playing experience.

- In Bubble Breaker, click **Menu > Options**, and select options from the following:
- **Play Sounds**. Turns game sounds on or off.

- **Guest Mode.** Enables guests to play without affecting the statistics.
- **Style.** Changes the style for new games as follows:
 - **Standard** – the default mode of play where there is a set number of bubbles that will not increase.
 - **Continuous** – whenever a vertical set of bubbles has been burst and the remaining bubbles have shifted over to the right, a new, randomly selected column of bubbles will pop up on the left, allowing a game to be played for an extended amount of time.
 - **Shifter** – when a set of bubbles has been burst, all remaining bubbles to the top and left will shift down and to the right.
 - **MegaShift** – a combination of the shifter and continuous styles where bubbles will shift down and to the right while empty columns will fill on the left.
- **Breakers.** Changes the color of the bubbles from **Colorful** to **Grayscale**.

View Bubble Breaker statistics

Bubble Breaker records your statistics for each playing style.

- Click **Menu > Statistics**.

Games – the total number of games played.

Average – the average score across all games played in that style.

High – the high score for the particular style.

Big Burst – the highest scoring single burst.

Tip

To reset all your statistics, click **Reset**.

15. Voice Notes

Create a voice note

1. On the Home screen, click **Start > Voice Notes**.
2. Hold the phone's microphone near your mouth.
3. Click **Record** and speak your voice note.
4. Click **Stop** to stop recording a voice note.

The voice note is recorded and appears in the **All Notes** list of Voice Notes.

Delete a voice note

1. On the Home screen, click **Start > Voice Notes**.
2. Select the voice note to delete.
3. Click **Menu > Delete**.
4. Click **Yes**.

Note

If you delete a voice note that has a default name, such as Voice 1, this name becomes available for a new voice note.

Rename a voice note

1. On the Home screen, click **Start > Voice Notes**.
2. Select the voice note to rename.
3. Click **Menu > Rename**.
4. In **Name**, enter a new name.
5. Click **Done**.

Listen to a voice note

1. On the Home screen, click **Start > Voice Notes**.
2. Select the voice note to play and press ENTER.

Notes

You can also play a voice note by clicking it in the **All Notes** list.

To stop listening to the voice note, click Stop while the voice note is playing.

16. MMS

Getting started with MMS client

Use MMS Client

To use MMS client, You need to set up a connection on your device, such as a modem or wireless connection, that enables you to connect to the internet. MMS client can send / receive MMS message by the internet connection.

Start MMS client

1. Click Start > Messaging
2. Select MMS message in the list of Message
3. Click MMS Message > New

Create MMS Message

MMS Composer

In **To**, enter an phone number or e-mail address

Menu > Insert Item > Subject, enter the subject of the MMS message

Click Menu > Add Item or Create Item, to add content in MMS Message

To

Enter address where you want to send MMS Message. It can support MDN(Mobile Directory Number) : Phone number and E-mail address also.

Text box

Enter text what you want to send. It can support English and Spanish also.

Menu

Menu can support advanced MMS composer option.

- Preview

In **Menu > Preview**

Preview menu will be displayed when MMS message has content(image or sound or text or video) not empty message

- Add Recipient

In **Menu > Add Recipient**, select the recipient address from phonebook

User can select destination address from phonebook

- Add Item

In **Menu > Add Item**, add content from special folder

Menu > Add Item > Text, Enter an text message to text box area

Menu > Add Item > Image, Select image file from MyPicture

Menu > Add Item > Sound , Select sound file from MySound

Menu > Add Item > Video, Select video file from MyVideo

Menu > Add Item > vCard, Select an vCard

Menu > Add Item > vCalendar, Select an vCard

User can add content such as image, sound, text, video, vCard and vCalendar

- Create Item

In **Menu > Create Item**

Menu > Create Item > Image, invoke Camera, take a pictue and put to MMS slide

Menu > Create Item > Video, invoke Camera, record a video and put to MMS slide

Menu > Create Item > Sound, invoke Voice memo, record a sound and put to MMS slide

User can add content from external device such as camera and voice memo

– Remove Item

In **Menu > Remove Item**

User can remove content such as image, sound, text and Video

– Edit Item

In **Menu > Edit Item**

Menu > Edit Item > Text color, change text color

Menu > Edit Item > Duration, change highlighted content play duration

User can edit mms message properties such as text color and content duration

– Insert Item

In **Menu > Insert Item**

Menu > Insert Item > Subject, Enter a subject

Menu > Edit Item > My Text, Select template text message

User can insert to mms message such as subject and My text.

– Edit page

In **Menu > Edit Item**

Menu > Edit Item > Page Duration, change slide duration

Menu > Edit Item > Bg color, change slide background color

User can edit page properties such as page duration and background color

– MMS Option

In **Menu > MMS Option**

- **Menu > MMS Option > Sending options**
 - **Menu > MMS Option > Sending options > Important Level**
 - ◆ Select message priority, High / Normal / Low
 - **Menu > MMS Option > Sending options > Delivery Report**
 - ◆ Enable Delivery Report , On / Off
 - **Menu > MMS Option > Sending options > Read Report**
 - ◆ Enable Read Report, On / Off
 - **Menu > MMS Option > Sending options > Expiry Time**
 - ◆ Select message expiry time, Off / 1 week / 1 day / 12 hours / 1 hour
 - **Menu > MMS Option > Sending options > Auto.Save to Sent box**
 - ◆ Enable saving message after send successfully, Off / On
- **Menu > MMS Option > Receiving options**

- **Menu > MMS Option > Receiving options > Auto.Retrieve Home Network**
 - ◆ Enable MMS message download in home network, Retrieve / Defer / Always ask
- **Menu > MMS Option > Receiving options > Auto.Retrieve Roaming Network**
 - ◆ Enable MMS message download in roaming network, Retrieve / Defer / Always ask
- **Menu > MMS Option > Receiving options > Auto.Reply on Delivery Report**
 - ◆ Enable Reply MMS Delivery Report Automatically, On / Off
- **Menu > MMS Option > Receiving options > Reject Anonymous Message**
 - ◆ Enable rejection anonymous MMS message, On / Off
- **Menu > MMS Option > Receiving options > Auto.Erase From Inbox**
 - ◆ Enable remove MMS message in Inbox automatically, On / Off
- **Menu > MMS Option > MMS Profile**
 - Operator Network setting profile

Menu > Cancel Composer

Cancel MMS message. Back to Inbox

MMS Viewer

1. Click **Start > Messaging**
2. Select **MMS message** in the list of Message Type
3. List of Inbox message.
4. Select a message in **Inbox > OK**
5. Start plays a MMS message

MMS Viewer Menu

- **Menu > Reply**
 - ◆ Reply MMS message to sender
 - ◆ Invoke MMS editor and display "To" field with "RE :all of sender address"
- **Menu > Reply to all**
 - ◆ Reply MMS message to all of sender
 - ◆ Invoke MMS editor and display "To" field with "RE" : all of sender address

include “CC”, “BCC” sender

– **Menu > Forward**

- ◆ Forward MMS message to where you want to send
- ◆ Invoke MMS editor and display “Tp” field with “FW : where you want to send”

– **Menu > Save**

- ◆ Save address to phonebook

– **Menu > Details**

- ◆ Show detail information about current MMS message, such as message size, sender...

– **Menu > MMS Options**

- ◆ Same as 2.1.4.8

– **Menu > Delete**

- ◆ Delete current message in inbox list

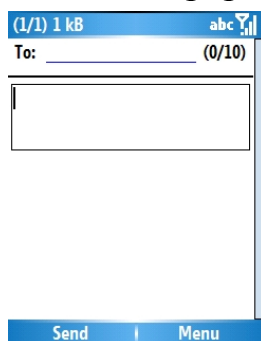
– **Menu > Back**

- ◆ Terminate MMS viewer and back to Inbox message list

Make new MMS message

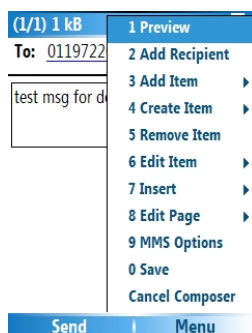
How can make new MMS message

Start > Messaging > MMS Message > New



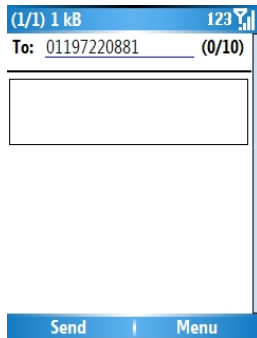
Main Menu

>Menu



Step by step instruction

1. Enter an e-mail address or Phone number

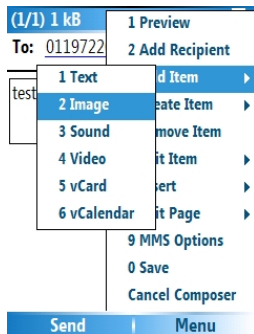


2. Enter Text message to text box area

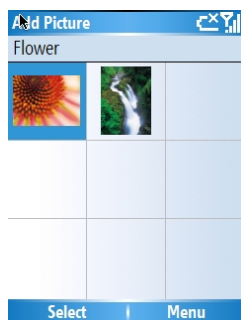


3. Add image to current slide

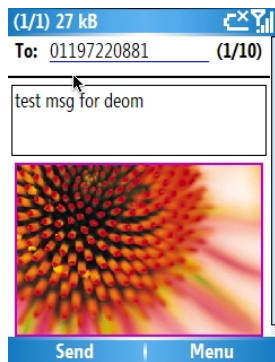
Menu > Add Item > Image



Select image from Picture file browser

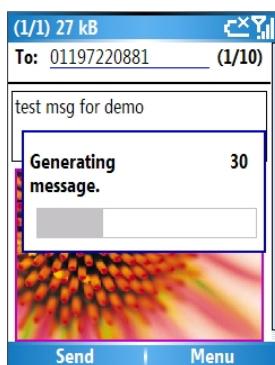


Add image to current slide

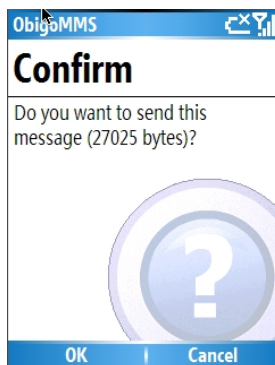


4. Send Message

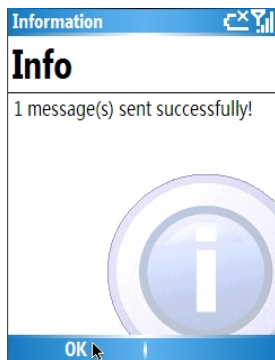
> **Send**, Select **Send** Softkey



Display confirm dialog for **Send**



Select >**OK** Softkey



If MMS client send success, MMS client will be display message sent successfully dialog

17. Camcorder

Overview of PN8200 Camcorder Application

You can use PN8200 Camcorder Application to record digital audio and video

- * Support 3gpp File Format (3gp)
- * Support JPEG File Format (jpg)


Record a video

Overview of Record video

- Support QCIF(176 X 144) size of video
- Support 3gpp File Format (3gp)


Recording Video

If you are not already on the Camcorder screen, click Start->Camcorder

If you click key pad “1”, first left icon in upper menu changes camcorder icon 
Fix your camera and click “OK”.

If you want to stop recording, click “OK” again

Playing recorded file


1. If you click key pad “1”, first left icon in upper menu changes camcorder icon 
2. Click “MY FLEX”(soft key1) in lower menu.
3. Choose the file that you want to play, and click “OK”

Take a picture


Overview of Task a picture

1. Support 160 X 120, 320 X 240, 640 X 480, 1280 X 960, 1280 X 1024 size of video
2. Stored JPEG file format (jpg)
3. Yuv can choose quality of low, medium and high

Snapshot


1. If you are not already on the Camcorder screen, click Start->Camcorder
2. If you click key pad “1”, first left icon in upper menu changes picture icon 
3. Fix your camera and click “OK”.
4. changed camera screen to review screen.

Viewing saved file

1. If you click key pad “1”, first left icon in upper menu changes picture icon 
2. Click “MY FLEX”(soft key1) in lower menu.
3. Choose the file that you want to view, and click “OK”

Control of Camcorder


Control of video

1. If you click key pad “1”, first left icon in upper menu changes camcorder icon 
2. Click “OPTION”(soft key2) in lower menu.
3. You can change value using left, right allow.
4. If you click “CLOSE”(soft key 1) in lower menu, chosen value is applied. Then it changed to camcorder screen
5. if you don't want it applied, click “CLR”

| | |
|---------------|---|
| Brightness | Choose brightness in list Default value is '0'. -2 -1 0 1 2 |
| White Balance | Choose white balance in list |

| | |
|--|--|
| | Default value is "Auto". Auto Sunny Cloudy Tungsten Fluorescent Darkness |
|--|--|

Control of picture

1. If you click key pad "1", first left icon in upper menu changes picture icon 
2. Click "OPTION"(soft key2) in lower menu.
3. You can change value using left, right allow.
4. If you click "CLOSE"(soft key 1) in lower menu, chosen value is applied. Then it changed to camcorder screen
5. if you don't want it applied, click "CLR"

| | |
|------------|--|
| Resolution | Choose Resolution in list. Default value is "640 X 480". 160 X 120 320 X 240 640 X 480 1280 X 960 |
| SlefTimer | Choose SelfTimer in list. Default value is "Off". Off 3 Seconds 5 Seconds 10 Seconds |
| Flash | Choose Flash in list. Default value is "Off". Off On Auto Flash Only This Shot |
| Brightness | Choose Flash in list. Default value is '0'. -2 |

| | |
|---------------|--|
| | -1 0 1 2 |
| White Balance | Choose white balance in list Default value is “Auto”. Auto Sunny Cloudy Tungsten Fluorescent Darkness |
| Shutter Sound | Choose white balance in list Default value is “Auto”. Click Cheese Ready! 1 2 3 |

Overview of the default hardware button assignments

By default, these hardware buttons are assigned to Camcorder functions.

| Hardware Button | Camcorder Function |
|------------------|---|
| ENTER | Start Record Video/Stop Record Video, Take a picture |
| NAVIGATION left | Brightness up |
| NAVIGATION right | Brightness down |
| NAVIGATION up | Zoom in |
| NAVIGATION down | Zoom out |
| 1 | Swap Mode |
| 2 | Flash set |
| 3 | SelfTimer set |
| 4 | Resolution set |
| 5 | Storage path set |
| 6 | Picture Quality set |

Safety Information

1 . SAFETY INFORMATION FOR FIXED WIRELESS TERMINALS

.POTENTIALLY EXPLOSIVE ATMOSPHERES

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

INTERFERENCE TO MEDICAL DEVICES

Certain electronic equipment may be shielded against RF signal from your wireless phone. (pacemakers, Hearing Aids, and so on) Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. RF signals may affect improperly installed or inadequately shielded electronic system in motor vehicles.

.EXPOSURE TO RF ENERGY

Use only the supplied or an approved replacement antenna. Do not touch the antenna unnecessarily when the phone is in use. Do not move the antenna close to, or touching any exposed part of the body when making a call.

SAFETY INFORMATION FOR RF EXPOSURE

Body worn operation

This device was tested for typical body-worn operations with the back of the phone kept 20 mm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 20 mm. separation distance between the user's body and the back of the phone, including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

SAR INFORMATION

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. *

Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is **1.23 W/Kg** and when worn on the body, as described in this user guide, is **0.648 W/Kg**. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on **FCC ID: JYCPC-8200N**.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>. * In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

U.S.A.

U.S.FEDERAL COMMUNICATIONS COMMISSION **RADIO FREQUENCY INTERFERENCE STATEMENT**

INFORMATION TO THE USER

NOTE : This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful Interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if Not installed and used in accordance with the instructions, may cause harmful Interference to radio communications. However, there is no guarantee that interference will not occur in a particular Installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- *- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- *- Connect the equipment into an outlet of a circuit different from that to which the receiver is connected.
- *- Consult the dealer or an experienced radio/TV technician for assistance.

Changes or modification not expressly approved by the party responsible for Compliance could void the user's authority to operate the equipment. Connecting of peripherals requires the use of grounded shielded signal cables.

FCC Compliance Information

This device complies with Part 15 of FCC Rules.
Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received.
Including interference that may cause undesired operation.